# EAST update 9/787, 426

L Number	Hits	Search Text	DB	Time stamp
1	2057	((514/269) or (514/275)).CCLS.	USPAT;	2004/05/27 09:35
			US-PGPUB	
2	2129	((544/297) or (544/298) or (544/319) or (544/320)).CCLS.	USPAT;	2004/05/27 09:37
			US-PGPUB	
3	3642	(((514/269) or (514/275)).CCLS.) or (((544/297) or	USPAT;	2004/05/27 09:37
		(544/298) or (544/319) or (544/320)).CCLS.)	US-PGPUB	
4	1090	((((514/269) or (514/275)).CCLS.) or (((544/297) or	USPAT;	2004/05/27 09:38
		(544/298) or (544/319) or (544/320)).CCLS.)) and	US-PGPUB	
		(pyrimidin or pyrimidinone or pyrimidone)		
5	685	(((((514/269) or (514/275)).CCLS.) or (((544/297) or	USPAT;	2004/05/27 09:39
		(544/298) or (544/319) or (544/320)).CCLS.)) and	US-PGPUB	
		(pyrimidin or pyrimidinone or pyrimidone)) and (pyridinyl		
		or pyridyl)		0004/05/05 00 00
6	672	(((((((514/269) or (514/275)).CCLS.) or (((544/297) or	USPAT;	2004/05/27 09:39
		(544/298) or (544/319) or (544/320)).CCLS.)) and	US-PGPUB	
		(pyrimidin or pyrimidinone or pyrimidone)) and (pyridinyl		
_	(10	or pyridyl)) not '2-oxo'	USPAT:	2004/05/27 09:39
7	619	((((((((514/269) or (514/275)).CCLS.) or (((544/297) or (544/290)).ccl.s.)) and	US-PGPUB	2004/03/27 09:39
		(544/298) or (544/319) or (544/320)).CCLS.)) and	US-FGFUB	
		(pyrimidin or pyrimidinone or pyrimidone)) and (pyridinyl		
	l .	or pyridyl)) not '2-oxo') not uracil	1	

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FILE 'HOME' ENTERED AT 14:14:26 ON 27 MAY 2004

=> file reg

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SINCE FILE TOTAL ENTRY SESSION

FULL ESTIMATED COST

0.21 SESSION 0.21

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STRUCTURE FILE UPDATES: 26 MAY 2004 HIGHEST RN 686262-86-2 DICTIONARY FILE UPDATES: 26 MAY 2004 HIGHEST RN 686262-86-2

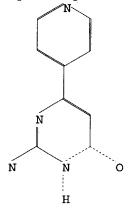
TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

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Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at: http://www.cas.org/ONLINE/DBSS/registryss.html

Uploading C:\STNEXP4\QUERIES\09787426.str



chain nodes :

7 8 15

ring nodes :

1 2 3 4 5 6 9 10 11 12 13 14

chain bonds :

1-15 2-7 4-9 6-8

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 9-10 9-14 10-11 11-12 12-13 13-14

exact/norm bonds :

1-2 1-6 1-15 2-3 2-7 3-4 4-5 5-6 6-8

exact bonds :

4-9

normalized bonds :

9-10 9-14 10-11 11-12 12-13 13-14

isolated ring systems :

containing 1 : 9 :

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:Atom 10:Atom

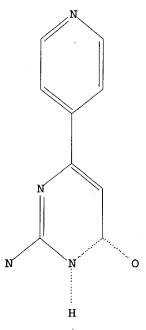
11:Atom 12:Atom 13:Atom 14:Atom 15:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 ful

FULL SEARCH INITIATED 14:14:55 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1614 TO ITERATE

100.0% PROCESSED 1614 ITERATIONS

161 ANSWERS

SEARCH TIME: 00.00.01

L2 161 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION

FULL ESTIMATED COST 1

155.42 155.63

FILE 'CAPLUS' ENTERED AT 14:15:03 ON 27 MAY 2004

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FILE COVERS 1907 - 27 May 2004 VOL 140 ISS 22 FILE LAST UPDATED: 26 May 2004 (20040526/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 12 20 L2 L3

=> d l3 1- ibib abs hitstr YOU HAVE REQUESTED DATA FROM 20 ANSWERS - CONTINUE? Y/(N):y

ANSWER 1 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER:

2003:1006976 CAPLUS

DOCUMENT NUMBER:

140:59653

TITLE:

Preparation of phenylaminopyrimidines as rho-kinase

inhibitors

INVENTOR(S):

Feurer, Achim; Bennabi, Samir; Heckroth, Heike;

Ergueden, Jens; Schenke, Thomas; Bauser, Markus; Kast, Raimund; Stasch, Johannes-Peter; Stahl, Elke; Muenter,

Klaus; Lang, Dieter; Ehmke, Heimo Bayer Aktiengesellschaft, Germany

PATENT ASSIGNEE(S):

PCT Int. Appl., 116 pp.

SOURCE:

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

German

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

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PATENT NO.
                  KIND DATE
                                          APPLICATION NO. DATE
                                           -----
                                          WO 2003-EP5827 20030604
WO 2003106450
                  A1 20031224
    W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
         CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
         PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT,
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         MD, RU, TJ, TM
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         CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC,
         NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
         GW, ML, MR, NE, SN, TD, TG
                                           DE 2002-10226943 20020617
DE 10226943
                  A1
                          20040108
                                        DE 2002-10226943 A 20020617
                      MARPAT 140:59653
```

PRIORITY APPLN. INFO.:

OTHER SOURCE(S):

AB Title compds. [I; R1 = amino, OH; R2 = H, alkyl, cycloalkyl; R3, R4 = cyano, H, F, Cl; A = Q1-Q3; R5, R6 = H, F, Cl; D = (substituted) Ph, (iso)quinoline, indole, etc.], were prepared for treating cardiovascular diseases. Thus, 4-chloro-6-quinolin-6-yl-pyrimidin-2-amine (preparation given) and 3-fluoro-4-(4-pyridinylsulfanyl)aniline (preparation given) were treated with 37% HCl followed by stirring for over night at 100° to give 12% N-[2-amino-6-(6-quinolinyl)-4-pyrimidinyl]-N-[3-fluoro-4-(4-pyridinylsulfanyl)phenyl]amine. The latter inhibited Rho-kinase II (ROKα) with IC50 = 7 nM.

IT 54950-12-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of phenylaminopyrimidines as rho-kinase inhibitors)

RN 54950-12-8 CAPLUS

4(1H)-Pyrimidinone, 2-amino-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

REFERENCE COUNT:

THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN

5

ACCESSION NUMBER:

2003:591171 CAPLUS

DOCUMENT NUMBER:

139:149645

TITLE:

CN

Preparation of pyrimidine derivatives for use in pharmaceutical compositions as Rho-kinase inhibitors

INVENTOR(S): Nagarathnam, Dhanapalan; Dumas, Jacques;

Hatoum-Mokdad, Holia; Boyer, Stephen; Pluempe, Hans

PATENT ASSIGNEE(S):

Bayer Corporation, USA PCT Int. Appl., 69 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

SOURCE:

GI

English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

	PATENT NO.				KIND DATE					APPLICATION NO. DATE								
				- <b></b>						-		<b>-</b>						
	WO	2003	0622	27	A1 20030731					WO 2003-US1840 20030123								
		W:	ΑE,	AG,	AL,	AM,	ΑT,	AU,	AZ,	BA,	BB,	BG,	BR,	BY,	ΒZ,	CA,	CH,	CN,
			CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	ES,	FI,	GB,	GD,	GE,	GH,
			GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	KZ,	LC,	LK,	LR,
			LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NO,	NZ,	OM,	PH,
			PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	TJ,	TM,	TN,	TR,	TT,	TZ,
			UA,	UG,	US,	UZ,	VC,	VN,	YU,	ZA,	ZM,	ZW,	AM,	AZ,	BY,	KG,	KZ,	MD,
			RU,	TJ,	TM	-	•	-		•	-			-		•		-
		RW:	GH,	GM,	KE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AT,	BE,	BG,
			CH,	CY,	CZ,	DE,	DK,	EE,	ES,	FI,	FR,	GB,	GR,	HU,	IE,	IT,	LU,	MC,
			NL,	PT,	SE,	SI,	sĸ,	TR,	BF,	ВJ,	CF,	CG,	CI,	CM,	GA,	GN,	GQ,	GW,
			ML,	MR,	NE,	SN,	TD,	TG	•	•		•			•			•
	US 2004002507 A1 20040101								US 2003-349176 20030123									
PRIO	PRIORITY APPLN. INFO.:							1	US 2002-349986P P 20020123									
CT										_			_					

AB Pyrimidine derivs., such as I [R = H, Ph; R1 = H, alkyl, aryl, heteroaryl, halogen; R2 = H, alkyl, halogen; R1R2 = (CH2)3-5; R3 = heteroaryl, such as pyridinyl, quinolinyl or isoquinolinyl; X = O, S; R4, R5 = H, C1, F], were prepared for therapeutic use as Rho-kinase inhibitors. These pyrimidine derivs. are useful for inhibiting tumor growth in cancer of the breast, colon, prostate, ovaries, brain or lung, and for treatment of other disorders mediated by Rho-kinase, such as erectile dysfunction, coronary heart disease, hypertension, atherosclerosis, restenosis, cerebral ischemia, cerebral vasospasm, neuronal degeneration, spinal cord injury, asthma, glaucoma and osteoporosis. Thus, II was prepared in 18% yield by reacting 2-amino-4-chloro-6-methylpyrimidine with 3-fluoro-4-(4pyridinylthio)aniline using K2CO3 in o-xylene at 100° overnight. The prepared pyrimidine derivs. were assayed for inhibition of ROCK-I phosphorylation of myelin basic protein. IT54950-12-8P

II

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of pyrimidine derivs. for use in pharmaceutical compns. as Rho-kinase inhibitors)

54950-12-8 CAPLUS RN

4(1H)-Pyrimidinone, 2-amino-6-(4-pyridinyl)- (9CI) (CA INDEX NAME) CN

REFERENCE COUNT:

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS 3 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 3 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER:

2003:591169 CAPLUS

DOCUMENT NUMBER:

139:149643

TITLE:

Preparation of pyrimidinamines as Rho-kinase inhibitors for inhibiting tumor growth, treating

erectile dysfunction, and other therapeutic uses

INVENTOR(S):

Nagarathnam, Dhanapalan; Dumas, Jacques;

Hatoum-mokdad, Holia; Boyer, Stephen; Wang, Chunguang;

Pluempe, Hans; Feurer, Achim; Bennabi, Samir

PATENT ASSIGNEE(S):

SOURCE:

GI

Bayer Corporation, USA

PCT Int. Appl., 91 pp. CODEN: PIXXD2

DOCUMENT TYPE:

LANGUAGE:

Patent

English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO.	APPLICATION NO. DATE										
WO 2003062225 A1 20030731 WO 2003-US1839	20030123										
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, E	BY, BZ, CA, CH, CN,										
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, F	FI, GB, GD, GE, GH,										
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, K	KR, KZ, LC, LK, LR,										
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, M	MZ, NO, NZ, OM, PH,										
PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, T	TM, TN, TR, TT, TZ,										
UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, A	AZ, BY, KG, KZ, MD,										
RU, TJ, TM											
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, Z	ZM, ZW, AT, BE, BG,										
CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, H	HU, IE, IT, LU, MC,										
NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, C	CM, GA, GN, GQ, GW,										
ML, MR, NE, SN, TD, TG											
US 2004002508 A1 20040101 US 2003-349177	US 2003-349177 20030123										
PRIORITY APPLN. INFO.: US 2002-349987P F	US 2002-349987P P 20020123										
OTHER SOURCE(S): MARPAT 139:149643											

Disclosed are pyrimidinamines (shown as I; variables defined below; e.g. AB 4-[[4-[(2-amino-6-ethyl-4-pyrimidinyl)amino]phenyl]sulfanyl]phenol), their synthesis, and their use as Rho-kinase inhibitors (no data). These compds. are useful for inhibiting tumor growth, treating erectile dysfunction, and treating other indications mediated by Rho-kinase, e.g., coronary heart disease. For I: R1 and R2 = H, halo, alkyl (un) substituted by halo up to perhalo, cycloalkyl, alkenyl, alkynyl, NO2, NH2, NR6R7, or furyl, thienyl, pyridyl, trifluoromethyl or Ph each (un)substituted with NH2, NO2 trifluoromethyl or alkoxy; or R1 and R2 may be taken together to form a ring of = 5-7 members optionally interrupted by N and (un) substituted on N by benzyl. R3 = NH2 or -NH- Ph (un) substituted with halo, C1-C4 alkyl, trifluoromethyl, nitro or amino; R4 = X-A- and R5n-substituted Ph, R5n-substituted 6-X-Apyridin-3-yl or indol-5-yl (un) substituted on N with pyridyl; X is a linker substituted at the 3 or 4 position of the ring and is O, S, -S-CH2-, -(CH2)m-, or -C(O)-; A is Ph (un) substituted with alkylthio or OH, pyridyl, quinolyl or isoquinolyl. Each R5 independently is halo, alkyl (un) substituted by halo up to perhalo, cycloalkyl, alkoxy, alkenyl, alkynyl, NO2, NH2, or trifluoromethyl; n is 0-4; m is 1 or 2; and R6 and R7 are each independently H, alkyl, cycloalkyl, or Ph (un) substituted with halo, CF3, alkyl, nitro or amino; or R6 and R7 may form, together with the N atom to which they are attached, a heterocyclic ring (un) substituted with alkyl, optionally interrupted by O, or optionally fused to phenyl; addnl. details including provisos are given in the claims. More than 30 example prepns. of I plus many prepns. of intermediates are included. For example, 4-[[4-[(2-amino-6-ethyl-4-pyrimidinyl)amino]phenyl]mercapto]phenol (0.11 mmol, 51% yield) was prepared from 2-amino-4-chloro-6-ethylpyrimidine (0.23 mmol) and 4-[(4-aminophenyl)sulfanyl]phenol (0.25 mmol) suspended in a mixture of 0.01M aqueous HCl (230  $\mu$ L) and 1-butanol (230  $\mu$ L); the mixture was refluxed overnight.

IT 54950-12-8P, 2-Amino-4-hydroxy-6-(4-pyridyl)pyrimidine
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of pyrimidinamines as Rho-kinase inhibitors for inhibiting tumor growth, treating erectile dysfunction, and other therapeutic uses)

RN 54950-12-8 CAPLUS

CN 4(1H)-Pyrimidinone, 2-amino-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

REFERENCE COUNT:

L3

THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

5

ACCESSION NUMBER:

2001:713340 CAPLUS

DOCUMENT NUMBER:

TITLE:

135:272981 Preparation of 2-(arylalkylamino)pyrimidones and

2-(heteroarylalkylamino)pyrimidones for preventive and/or therapeutic treatment of a neurodegenerative

disease caused by abnormal activity of  $GSK3\beta$ Almario Garcia, Antonio; Ando, Ryoichi; Aritomo,

Keiichi; Frost, Jonathan Reid; Li, Adrien Tak; Shoda,

Aya; Uehara, Fumiaki; Watanabe, Kazutoshi

Sanofi-Synthelabo, Fr.; Mitsubishi-Tokyo

Pharmaceuticals, Inc.

PCT Int. Appl., 57 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

INVENTOR(S):

Patent

LANGUAGE:

SOURCE:

English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT ASSIGNEE(S):

						KIND DATE													
	WO 2001070727									WO 2001-EP3638 200103									
															BZ,			CN,	
															GD,				
			HR,	HU,	ID,	IL,	IN,	IS,	JP,	ΚE,	KG,	ΚP,	KR,	KZ,	LC,	LK,	LR,	LS,	
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JP 2000-8											0133	U	A	20000	,,2,				

OTHER SOURCE(S):

GI

MARPAT 135:272981

 $R^3$ 

Н

Ι

The title compds. [I; R2 = H, perhalogenated alkyl, (un) substituted alkyl; AΒ R3 = 2-, 3- or 4-pyridyl optionally substituted by alkyl, alkoxy or a halogen; and when n = 1-10, the R1 = unsubstituted naphth-1-yl, unsubstituted naphth-2-yl, aryl, etc.; when n = 4-10 then R1 can represent IT

RN

CN

in addition an unsubstituted Ph; and when n = 1-3 and R1 = unsubstituted Ph then R2 = perhalogenated alkyl or substituted alkyl] and their pharmaceutically acceptable salts which are used for preventive and/or therapeutic treatment of a neurodegenerative diseases caused by abnormal activity of GSK3 $\beta$ , were prepared and formulated. The compds. I were synthesized by reacting Et 3-(4-pyridyl)-3-oxopropionate (preparation given) with R1(CH2) nNR2C(:NH) NH2 or by reacting 2-(methylthio)-6-(pyridin-4yl)pyrimidin-4(1H)-one (preparation given) with R1(CH2)nNHR2. The compds. I such as I [R1 = 3,4-(MeO) 2C6H3; R2 = H; R3 = 4-pyridyl] showed IC50's of 0.01-10  $\mu M$  against GSK3 $\beta$ . 361484-66-4P 361484-67-5P 361484-68-6P 361542-10-1P 361542-11-2P 361542-12-3P 361542-13-4P 361542-14-5P 361542-15-6P 361542-16-7P 361542-17-8P 361542-18-9P 361542-19-0P 361542-20-3P 361542-21-4P 361542-22-5P 361542-23-6P 361542-24-7P 361542-25-8P 361542-26-9P 361542-27-0P 361542-28-1P 361542-29-2P 361542-30-5P 361542-31-6P 361542-32-7P 361542-33-8P 361542-34-9P 361542-35-0P 361542-36-1P 361542-37-2P 361542-38-3P 361542-39-4P 361542-40-7P 361542-41-8P 361542-42-9P 361542-43-0P 361542-44-1P 361542-45-2P 361542-46-3P 361542-47-4P 361542-48-5P 361542-49-6P 361542-50-9P 361542-51-0P 361542-52-1P 361542-54-3P 361542-55-4P 361542-56-5P 361542-57-6P 361542-58-7P 361542-59-8P 361542-60-1P 361542-61-2P 361542-62-3P 361542-63-4P 361542-64-5P 361542-65-6P 361542-66-7P 361542-67-8P 361542-68-9P 361542-69-0P 361542-70-3P 361542-71-4P 361542-72-5P 361542-73-6P 361542-75-8P 361542-76-9P 361542-77-0P 361542-78-1P 361542-79-2P 361542-80-5P 361542-82-7P 361542-84-9P 361542-85-0P 361542-86-1P 361542-87-2P 361542-89-4P 362048-04-2P 362048-06-4P 362048-07-5P 362048-08-6P 362048-09-7P 362048-10-0P 362048-12-2P 362048-13-3P 362048-14-4P 362601-30-7P 362601-35-2P 362601-36-3P 362601-37-4P 362601-38-5P 362601-39-6P 362601-41-0P 362601-42-1P 362601-43-2P 362601-44-3P 362601-45-4P 362601-47-6P 362601-49-8P 362601-50-1P 362601-51-2P 362601-52-3P 362601-54-5P 362601-55-6P 362601-56-7P 362601-58-9P 362601-59-0P 362601-60-3P 362601-61-4P 362601-62-5P 362601-64-7P 362601-65-8P 362601-67-0P RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of 2-(arylalkylamino)pyrimidones and 2-(heteroarylalkylamino)pyrimidones for preventive and/or therapeutic treatment of a neurodegenerative disease caused by abnormal activity of GSK3β) CAPLUS 361484-66-4 4(1H)-Pyrimidinone, 2-[(3-furanylmethyl)amino]-6-(4-pyridinyl)- (9CI) INDEX NAME)

RN 361484-67-5 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[3-(1H-imidazol-1-yl)propyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361484-68-6 CAPLUS CN 4(1H)-Pyrimidinone, 6-(4-pyridinyl)-2-[[2-(2-thienyl)ethyl]amino]- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} S & H_2-CH_2-NH & H \\ N & N \\ O & N \end{array}$$

RN 361542-10-1 CAPLUS
CN 4(1H)-Pyrimidinone, 2-[[(3,4-dimethoxyphenyl)methyl]amino]-6-(4-pyridinyl)(9CI) (CA INDEX NAME)

RN 361542-11-2 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[2-(3,4-dimethoxyphenyl)ethyl]methylamino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 361542-12-3 CAPLUS

CN 4 (1H) -Pyrimidinone, 2-[[2-(4-methoxyphenyl)ethyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

$$\begin{array}{c|c} \mathsf{O} \\ \mathsf{N} \\ \mathsf{N} \\ \mathsf{H} \end{array} \\ \mathsf{NH} - \mathsf{CH}_2 - \mathsf{CH}_2 \\ \end{array} \\ \begin{array}{c|c} \mathsf{OMe} \\ \mathsf{OMe} \\ \mathsf{NH} \\ \mathsf{NH}$$

RN 361542-13-4 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[2-(3-methoxyphenyl)ethyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

$$\begin{array}{c|c} & & & \\ & & & \\$$

RN 361542-14-5 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[2-(2-methoxyphenyl)ethyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-15-6 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[2-(2-fluorophenyl)ethyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-16-7 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[2-(3-fluorophenyl)ethyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-17-8 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[2-(4-fluorophenyl)ethyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-18-9 CAPLUS
CN 4(1H)-Pyrimidinone, 2-[[2-(4-bromophenyl)ethyl]amino]-6-(4-pyridinyl)(9CI) (CA INDEX NAME)

RN 361542-19-0 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[2-(2,4-dichlorophenyl)ethyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-20-3 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[2-(2-chlorophenyl)ethyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-21-4 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[2-(4-chlorophenyl)ethyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-22-5 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[2-(4-nitrophenyl)ethyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

$$\begin{array}{c|c} & & & \\ & & \\ N & & \\$$

RN 361542-23-6 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[2-(4-aminophenyl)ethyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-24-7 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[2-(3,4-dimethoxyphenyl)ethyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 361542-25-8 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[2-(2,5-dimethoxyphenyl)ethyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} \text{OMe} \\ \\ \text{N} \\ \text{H} \end{array}$$

RN 361542-26-9 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[2-(4-hydroxyphenyl)ethyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-27-0 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[2-(4-methylphenyl)ethyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

$$N = N + CH_2 - CH_2$$

RN 361542-28-1 CAPLUS

CN Benzenesulfonamide, 4-[2-[[1,4-dihydro-4-oxo-6-(4-pyridinyl)-2-pyrimidinyl]amino]ethyl]- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c}
 & O \\
 & N \\
 & O \\$$

RN 361542-29-2 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[2-(3-chlorophenyl)ethyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-30-5 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[(4-phenylbutyl)amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 361542-31-6 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[(2-[1,1'-biphenyl]-4-ylethyl)amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

361542-32-7 CAPLUS RN

4(1H)-Pyrimidinone, 2-[[2-(2-naphthalenyl)ethyl]amino]-6-(4-pyridinyl)-CN(9CI) (CA INDEX NAME)

$$\begin{array}{c|c} CH_2-CH_2-NH & H \\ N \\ N \\ O \end{array}$$

361542-33-8 CAPLUS RN

CN4(1H)-Pyrimidinone, 2-[[[3-(aminomethyl)phenyl]methyl]amino]-6-(4pyridinyl) -, dihydrochloride (9CI) (CA INDEX NAME)

# ●2 HCl

RN361542-34-9 CAPLUS

CN4(1H)-Pyrimidinone, 2-[[[4-(aminomethyl)phenyl]methyl]amino]-6-(4pyridinyl) -, dihydrochloride (9CI) (CA INDEX NAME)

#### ●2 HCl

RN361542-35-0 CAPLUS

4(1H)-Pyrimidinone, 2-[[(3-methylphenyl)methyl]amino]-6-(4-pyridinyl)-CN

(9CI) (CA INDEX NAME)

RN 361542-36-1 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[(4-methoxyphenyl)methyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-37-2 CAPLUS
CN 4(1H)-Pyrimidinone, 2-[[(4-fluorophenyl)methyl]amino]-6-(4-pyridinyl)(9CI) (CA INDEX NAME)

RN 361542-38-3 CAPLUS
CN 4(1H)-Pyrimidinone, 2-[[(2-chlorophenyl)methyl]amino]-6-(4-pyridinyl)(9CI) (CA INDEX NAME)

RN 361542-39-4 CAPLUS
CN 4(1H)-Pyrimidinone, 2-[[(4-chlorophenyl)methyl]amino]-6-(4-pyridinyl)(9CI) (CA INDEX NAME)

RN 361542-40-7 CAPLUS

CN 4(1H)-Pyrimidinone, 6-(4-pyridinyl)-2-[[[4-(trifluoromethyl)phenyl]methyl] amino]- (9CI) (CA INDEX NAME)

RN 361542-41-8 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[[4-(3-aminopropoxy)phenyl]methyl]amino]-6-(4-pyridinyl)-, dihydrochloride (9CI) (CA INDEX NAME)

#### •2 HCl

RN 361542-42-9 CAPLUS

CN

4(1H)-Pyrimidinone, 2-[[(3-nitrophenyl)methyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-43-0 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[(2-aminophenyl)methyl]amino]-6-(4-pyridinyl)(9CI) (CA INDEX NAME)

RN 361542-44-1 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[(2-methylphenyl)methyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-45-2 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[(4-methylphenyl)methyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-46-3 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[(2-methoxyphenyl)methyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-47-4 CAPLUS
CN 4(1H)-Pyrimidinone, 2-[[(3-methoxyphenyl)methyl]amino]-6-(4-pyridinyl)(9CI) (CA INDEX NAME)

RN

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361542-48-5 CAPLUS

4(1H)-Pyrimidinone, 2-[[(3-chlorophenyl)methyl]amino]-6-(4-pyridinyl)-

(9CI) (CA INDEX NAME)

361542-49-6 CAPLUS

4(1H)-Pyrimidinone, 2-[[(4-aminophenyl)methyl]amino]-6-(4-pyridinyl)-

(9CI) (CA INDEX NAME)

RN 361542-50-9 CAPLUS

Acetamide, N-[[3-[[[1,4-dihydro-4-oxo-6-(4-pyridinyl)-2-

pyrimidinyl]amino]methyl]phenyl]methyl]- (9CI) (CA INDEX NAME)

RN361542-51-0 CAPLUS

4(1H)-Pyrimidinone, 2-[[[3-(3-aminopropoxy)phenyl]methyl]amino]-6-(4-

pyridinyl) -, dihydrochloride (9CI) (CA INDEX NAME)

#### ●2 HCl

RN 361542-52-1 CAPLUS
CN 4(1H)-Pyrimidinone, 6-(4-pyridinyl)-2-[[[3-(2-pyridinyl)methoxy)phenyl]methyl]amino]- (9CI) (CA INDEX NAME)

RN 361542-54-3 CAPLUS

CN

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CN

Carbamic acid, [[3-[[[1,4-dihydro-4-oxo-6-(4-pyridinyl)-2-pyrimidinyl]amino]methyl]phenyl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

361542-55-4 CAPLUS

4(1H)-Pyrimidinone, 2-[[(3-aminophenyl)methyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

361542-56-5 CAPLUS

Benzamide, N-[[3-[[[1,4-dihydro-4-oxo-6-(4-pyridinyl)-2-pyrimidinyl]amino]methyl]phenyl]methyl]- (9CI) (CA INDEX NAME)

CN

CN

CN

RN 361542-57-6 CAPLUS

4(1H)-Pyrimidinone, 2-[[[4-(2-aminoethoxy)phenyl]methyl]amino]-6-(4-pyridinyl)-, dihydrochloride (9CI) (CA INDEX NAME)

### •2 HCl

RN 361542-58-7 CAPLUS

Methanesulfonamide, N-[[3-[[[1,4-dihydro-4-oxo-6-(4-pyridinyl)-2-pyrimidinyl]amino]methyl]phenyl]methyl]- (9CI) (CA INDEX NAME)

RN 361542-59-8 CAPLUS

4(1H)-Pyrimidinone, 6-(4-pyridinyl)-2-[[[3-[(2-pyrimidinylamino)methyl]phenyl]methyl]amino]- (9CI) (CA INDEX NAME)

RN 361542-60-1 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[[3-[(butylamino)methyl]phenyl]methyl]amino]-6-(4-pyridinyl)-, dihydrochloride (9CI) (CA INDEX NAME)

### ●2 HCl

RN 361542-61-2 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[[3-(2-aminoethoxy)phenyl]methyl]amino]-6-(4-pyridinyl)-, dihydrochloride (9CI) (CA INDEX NAME)

## •2 HCl

RN 361542-62-3 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[[3-(4-aminobutoxy)phenyl]methyl]amino]-6-(4-pyridinyl)-, dihydrochloride (9CI) (CA INDEX NAME)

# ●2 HCl

RN 361542-63-4 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[3-(2-methylphenyl)propyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-64-5 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[3-(3-methylphenyl)propyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-65-6 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[3-(4-methylphenyl)propyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-66-7 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[3-(2-methoxyphenyl)propyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-67-8 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[3-(3-methoxyphenyl)propyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

N NH- (
$$CH_2$$
) 3 OMe

RN 361542-68-9 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[3-(4-methoxyphenyl)propyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-69-0 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[3-(2-chlorophenyl)propyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-70-3 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[3-(3-chlorophenyl)propyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-71-4 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[3-(4-chlorophenyl)propyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

$$\begin{array}{c|c} & & & \\ & & & \\ N & & \\ N & & \\ N & & \\ H & & \\ \end{array}$$

RN 361542-72-5 CAPLUS
CN 4(1H)-Pyrimidinone, 6-(4-pyridinyl)-2-[[[3-[3-(4-pyridinyl)propoxy]phenyl]methyl]amino]- (9CI) (CA INDEX NAME)

CN

RN 361542-73-6 CAPLUS

4(1H)-Pyrimidinone, 6-(4-pyridinyl)-2-[[[3-(3-pyridinylmethoxy)phenyl]methyl]amino]-(9CI) (CA INDEX NAME)

RN 361542-75-8 CAPLUS

CN Carbamic acid, [[3-[[[1,4-dihydro-4-oxo-6-(4-pyridinyl)-2-pyrimidinyl]methylamino]methyl]phenyl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} & & & \\ & & & \\ N & & \\ N & & \\ N & & \\ N & & \\ CH_2-NH-C-OBu-t \\ \end{array}$$

RN 361542-76-9 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[[3-(aminomethyl)phenyl]methyl]methylamino]-6-(4-pyridinyl)-, dihydrochloride (9CI) (CA INDEX NAME)

# •2 HCl

RN 361542-77-0 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[3-(3,4-dimethoxyphenyl)propyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} \text{OMe} \\ \\ \text{N} \\ \\ \text{N} \\ \\ \text{H} \end{array} \text{OMe}$$

RN 361542-78-1 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[(3-[1,1'-biphenyl]-4-ylpropyl)amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 361542-79-2 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[[3-(aminomethyl)phenyl]methyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 361542-80-5 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[[4-(aminomethyl)phenyl]methyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} & & & \\ & & & \\$$

RN 361542-82-7 CAPLUS

CN

4(1H)-Pyrimidinone, 2-[[[3-(3-aminopropoxy)phenyl]methyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 361542-84-9 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[[4-(2-aminoethoxy)phenyl]methyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} & & & & \\ & & & \\ N &$$

RN 361542-85-0 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[[3-[(butylamino)methyl]phenyl]methyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 361542-86-1 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[[3-(2-aminoethoxy)phenyl]methyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} & & & \\ & & & \\ N & & \\ N & & \\ N & & \\ NH & & \\ CH_2 & & \\ O-CH_2-CH_2-NH_2 & \\ \end{array}$$

RN 361542-87-2 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[[3-(4-aminobutoxy)phenyl]methyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

N NH 
$$\sim$$
 NH  $\sim$  CH<sub>2</sub> O  $\sim$  (CH<sub>2</sub>) 4  $\sim$  NH<sub>2</sub>

RN 361542-89-4 CAPLUS
CN 4(1H)-Pyrimidinone, 2-[[[3-(aminomethyl)phenyl]methyl]methylamino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} & & & \\ & & & \\ N & & & \\ CH_2-NH_2 & & \\ \end{array}$$

RN 362048-04-2 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[2-(1H-indol-3-yl)ethyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 362048-06-4 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[2-(5-methoxy-1H-indol-3-yl)ethyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} H \\ N \\ CH_2 - CH_2 - NH \\ N \\ O \\ \end{array}$$

RN 362048-07-5 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[2-(5-methyl-1H-indol-3-yl)ethyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

Me 
$$CH_2-CH_2-NH$$

RN 362048-08-6 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[2-[5-(phenylmethoxy)-1H-indol-3-yl]ethyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

$$\begin{array}{c|c} H \\ N \\ \hline \\ CH_2-CH_2-NH \\ \hline \\ N \\ \hline \\ O \\ \end{array}$$

RN 362048-09-7 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[2-(6-methoxy-1H-indol-3-yl)ethyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

MeO 
$$H$$
  $N$   $CH_2-CH_2-NH$   $N$   $N$   $N$ 

RN 362048-10-0 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[2-(6-fluoro-1H-indol-3-yl)ethyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 362048-12-2 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[2-(1H-indol-3-yl)ethyl]methylamino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN

CN

$$\begin{array}{c|c} H & \text{Me} & H \\ \hline & \text{CH}_2 - \text{CH}_2 - \text{N} & N \\ \hline & \text{O} & \\ \end{array}$$

362048-13-3 CAPLUS

4(1H)-Pyrimidinone, 2-[[2-(2-methyl-1H-indol-3-yl)ethyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} H & \text{Me} \\ \hline & N & \text{Me} \\ \hline & CH_2 - CH_2 - NH & H \\ & N & N \\ \hline & O & \\ \end{array}$$

RN 362048-14-4 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[2-(1-methyl-1H-indol-3-yl)ethyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} Me \\ \hline \\ N \\ \hline \\ CH_2-CH_2-NH \\ \hline \\ N \\ \hline \\ O \\ \end{array}$$

RN 362601-30-7 CAPLUS

CN 4(1H)-Pyrimidinone, 6-(4-pyridinyl)-2-[[[3-(3-pyridinylmethoxy)phenyl]methyl]amino]-, dihydrochloride (9CI) (CA INDEX NAME)

CN

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CN

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CN

RN 362601-35-2 CAPLUS

4(1H)-Pyrimidinone, 6-(4-pyridinyl)-2-[[[3-(2-pyridinylmethoxy)phenyl]methyl]amino]-, dihydrochloride (9CI) (CA INDEX NAME)

●2 HCl

362601-36-3 CAPLUS

Acetamide, N-[4-[[1,4-dihydro-4-oxo-6-(4-pyridinyl)-2-pyrimidinyl](2-phenylethyl)amino]butyl]- (9CI) (CA INDEX NAME)

362601-37-4 CAPLUS

Methanesulfonamide, N-[4-[[1,4-dihydro-4-oxo-6-(4-pyridinyl)-2-pyrimidinyl](2-phenylethyl)amino]butyl]- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} \mathsf{Ph}-\mathsf{CH}_2-\mathsf{CH}_2 & \mathsf{O} \\ & | & | \\ \mathsf{N}-\mathsf{(CH}_2)_4-\mathsf{NH}-\mathsf{S}-\mathsf{Me} \\ & | & | \\ \mathsf{N} & \mathsf{NH} & \mathsf{N} \\ & \mathsf{O} \end{array}$$

N 362601-38-5 CAPLUS

4(1H)-Pyrimidinone, 2-[[2-(2-methoxyphenyl)ethyl](phenylmethyl)amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 362601-39-6 CAPLUS

CN Carbamic acid, [4-[[1,4-dihydro-4-oxo-6-(4-pyridinyl)-2-pyrimidinyl] (2-phenylethyl)amino]butyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

RN 362601-41-0 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[(4-aminobutyl)(2-phenylethyl)amino]-6-(4-pyridinyl)-, dihydrochloride (9CI) (CA INDEX NAME)

## ●2 HC1

RN 362601-42-1 CAPLUS

CN Carbamic acid, [4-[[1,4-dihydro-4-oxo-6-(4-pyridinyl)-2-pyrimidinyl][2-(2-methoxyphenyl)ethyl]amino]butyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

$$\begin{array}{c|c}
O & O \\
O & CH_2)_4 - NH - C - OBu - t
\end{array}$$

$$\begin{array}{c|c}
N & MeO \\
N & N - CH_2 - CH_2
\end{array}$$

RN 362601-43-2 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[(4-aminobutyl)[2-(2-methoxyphenyl)ethyl]amino]-6-(4-pyridinyl)-, dihydrochloride (9CI) (CA INDEX NAME)

### ●2 HCl

RN 362601-44-3 CAPLUS
CN 4(1H)-Pyrimidinone, 2-[(4-aminobutyl)(3-phenylpropyl)amino]-6-(4-pyridinyl)-, dihydrochloride (9CI) (CA INDEX NAME)

## •2 HCl

RN 362601-45-4 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[3-(2-naphthalenyl)propyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 362601-47-6 CAPLUS
CN 4(1H)-Pyrimidinone, 2-[[[2-(3-aminopropoxy)phenyl]methyl]amino]-6-(4-pyridinyl)-, dihydrochloride (9CI) (CA INDEX NAME)

### ●2 HCl

RN 362601-49-8 CAPLUS CN 4(1H)-Pyrimidinone, 6-(4-pyridinyl)-2-[[[2-[3-(4-pyridinyl)propoxy]phenyl]methyl]amino]- (9CI) (CA INDEX NAME)

RN 362601-50-1 CAPLUS CN 4(1H)-Pyrimidinone, 2-[(3-phenylpropyl)(trifluoromethyl)amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 362601-51-2 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[2-(1H-indol-3-yl)ethyl]amino]-6-(4-pyridinyl)-, ethanedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 362048-04-2 CMF C19 H17 N5 O

$$\begin{array}{c|c} H \\ N \\ CH_2 - CH_2 - NH \\ N \\ O \\ \end{array}$$

CM 2

CRN 144-62-7 CMF C2 H2 O4

RN 362601-52-3 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[2-(6-methyl-1H-indol-3-yl)ethyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

Me 
$$H$$
  $CH_2-CH_2-NH$   $H$   $N$   $N$ 

RN 362601-54-5 CAPLUS

CN 4(1H)-Pyrimidinone, 6-(4-pyridinyl)-2-[(2-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)

RN 362601-55-6 CAPLUS

CN 4(1H)-Pyrimidinone, 6-(4-pyridinyl)-2-[(3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)

RN 362601-56-7 CAPLUS

CN 4(1H)-Pyrimidinone, 6-(4-pyridinyl)-2-[(4-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)

RN 362601-58-9 CAPLUS

CN 4(1H)-Pyrimidinone, 6-(4-pyridinyl)-2-[[2-(2-pyridinyl)ethyl]amino]- (9CI) (CA INDEX NAME)

RN 362601-59-0 CAPLUS

CN 4(1H)-Pyrimidinone, 6-(4-pyridinyl)-2-[[2-(4-pyridinyl)ethyl]amino]- (9CI) (CA INDEX NAME)

RN 362601-60-3 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[methyl[2-(2-pyridinyl)ethyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 362601-61-4 CAPLUS

CN 4(1H)-Pyrimidinone, 6-(4-pyridinyl)-2-[[3-(3-pyridinyl)propyl]amino](9CI) (CA INDEX NAME)

RN 362601-62-5 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[(phenylmethyl)[2-(2-pyridinyl)ethyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} O \\ N \\ N \\ N \\ N \\ CH_2 - Ph \\ N - CH_2 - CH_2 \\ \end{array}$$

RN 362601-64-7 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[(2-phenylethyl)(3-pyridinylmethyl)amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} O & CH_2-CH_2-Ph \\ \hline N & N-CH_2 \end{array}$$

RN 362601-65-8 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[(2-phenylethyl)(2-pyridinylmethyl)amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 362601-67-0 CAPLUS

CN4(1H)-Pyrimidinone, 6-(4-pyridinyl)-2-[[2-(3-pyridinyl)ethyl]amino]- (9CI) (CA INDEX NAME)

REFERENCE COUNT:

3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 5 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER:

2001:709747 CAPLUS

DOCUMENT NUMBER:

135:257262

TITLE:

Preparation of 2-[(heteroaryl)alkylamino]pyrimidones

as  $GSK3\beta$  inhibitors

INVENTOR(S):

Almario-Garcia, Antonio; Frost, Jonathan Reid; Li,

Adrien-Tak

PATENT ASSIGNEE(S):

Sanofi-Synthelabo, Fr.; Mitsubishi-Tokyo

Pharmaceuticals, Inc.

SOURCE:

Eur. Pat. Appl., 12 pp.

CODEN: EPXXDW

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

			KIND DATE										DATE					
	EP 1136491							EP 2000-40080										
	R: A'	Γ, BE,	CH,	DE,	DK,	ES,									MC,	PT,		
WO 2				LT, LV, FI, RO A1 20010927					WO 2001-EP3638					20010322				
		E, AG,														CN,		
		O, CR,																
		R, HU,																
		r, Lu,																
	RI	J, SD,	SE,	SG,	SI,	SK,	SL,	ТJ,	TM,	TR,	TT,	TZ,	UA,	UG,	us,	UZ,		
	VI	N, YU,	ZA,	ZW,	AM,	ΑZ,	BY,	KG,	KZ,	MD,	RU,	TJ,	TM					
]	RW: GI	H, GM,	KE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZW,	ΑT,	BE,	CH,	CY,		
	DI	Ξ, DK,	ES,	FI,	FR,	GB,	GR,	ΙE,	IT,	LU,	MC,	NL,	PT,	SE,	TR,	BF,		
	В	J, CF,	CG,	CI,	CM,	GA,	GN,	GW∍,	ML,	MR,	NE,	SN,	TD,	TG				
PRIORITY A	. :				1	EP 2000-400804				A 20000323								
							1	EP 2000-400805			Α	20000323						
							I	EP 2000-400806				Α	2000	0323				
					Ċ	JP 20	000-	3193	8	Α	2000	0323						
OTHER SOURCE(S):				MARDAT 135.257262														

OTHER SOURCE(S):

MARPAT 135:257262

$$\mathbb{R}^{2}$$
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 $\mathbb{R}^{3}$ 
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 $\mathbb{R}^{3}$ 
 $\mathbb{R}^{3}$ 

The title compds. [I; R1 = H, alkyl; R2 = (un)substituted furyl, thienyl, pyrrolyl or imidazolyl; R3 = 2-, 3- or 4-pyridyl optionally substituted by alkyl, alkoxy or halogen; n = 1-5] which are used for preventive and/or therapeutic treatment of a neurodegenerative disease caused by abnormal activity of GSK3β such as Alzheimer's disease, Parkinson's disease, frontoparietal dementia, corticobasal degeneration, Pick's disease, cerebrovascular accidents, brain and spinal trauma, and peripheral neuropathies, were prepared and formulated. Thus, reacting 2-(methylthio)-6-(pyridin-4-yl)pyrimidin-4(1H)-one (preparation given) with 3-furylmethylamine afforded I [R1 = H; R2 = 3-furyl; R3 = 4-pyridyl; n = 1]. The exemplified compds. I showed IC50's of 0.3-10 μM against GSK3β.

### IT 361484-66-4P 361484-67-5P 361484-68-6P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of 2-[(heteroary1)alkylamino]pyrimidones as  $GSK3\beta$  inhibitors)

RN 361484-66-4 CAPLUS

4(1H)-Pyrimidinone, 2-[(3-furanylmethyl)amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

CN

RN 361484-67-5 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[3-(1H-imidazol-1-yl)propyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361484-68-6 CAPLUS CN 4(1H)-Pyrimidinone, 6-(4-pyridinyl)-2-[[2-(2-thienyl)ethyl]amino]- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} S & H \\ \hline \\ CH_2 - CH_2 - NH \\ \hline \\ N & O \end{array}$$

L3 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN

3

ACCESSION NUMBER:

2001:709744 CAPLUS 135:257260

DOCUMENT NUMBER:

REFERENCE COUNT:

TITLE:

Preparation of 2-[(indanylamino]pyrimidones and

2-[tetrahydronaphthalenylamino]pyrimidones as

GSK3β inhibitors

INVENTOR(S):

SOURCE:

Almario-Garcia, Antonio; Frost, Jonathan Reid; Li,

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

Adrien-Tak

PATENT ASSIGNEE(S):

Sanofi-Synthelabo, Fr.; Mitsubishi-Tokyo

Pharmaceuticals, Inc. Eur. Pat. Appl., 12 pp.

CODEN: EPXXDW

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT N	10.	KIN	1D I		A	PPLI	CATIO	o. 1	DATE							
							-									
EP 11364	A1	A1 20010926				E	P 20	00-4	0800	8 :	20000323					
R:	AT, BE	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	ΝL,	SE,	MC,	PT,	
	IE, SI	LT,	LV,	FI,	RO											
WO 20010	A1	A1 20010927					WO 2001-EP3636 20010322									
W:	AE, AG	AL,	AM,	AT,	AU,	ΑZ,	BA,	BB,	ВG,	BR,	BY,	ΒZ,	CA,	CH,	CN,	
	CO, CR	CU,	CZ,	DE,	DK,	DM,	DZ,	EE,	ES,	FI,	GB,	GD,	GE,	GH,	GM,	
	HR, HU	ID,	IL,	IN,	IS,	JP,	KΕ,	KG,	ΚP,	KR,	ΚZ,	LC,	LK,	LR,	LS,	
	LT, LU	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NO,	NZ,	PL,	PT,	RO,	
	RU, SD	SE,	SG,	SI,	SK,	SL,	ТJ,	TM,	TR,	TT,	TZ,	UA,	ŪĠ,	US,	UZ,	
	VN, YU															
RW:	GH, GM	KE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZW,	ΑT,	BE,	CH,	CY,	

DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.:

EP 2000-400808 A 20000323

OTHER SOURCE(S):

MARPAT 135:257260

GI GI

$$\mathbb{R}^{2}$$

$$\mathbb{R}^{3}$$

$$\mathbb{R}^{3}$$

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The title compds. [I; R1 = H, alkyl; R2 = H, alkyl, halo, etc.; R3 = 2-, 3- or 4-pyridyl group optionally substituted by alkyl, alkoxy or a halogen atom; n = 0-1; when n = 0 then m = 2 or 3, and when n = 1 then m = 1 or 2] which is used for preventive and/or therapeutic treatment of a neurodegenerative disease caused by abnormal activity of GSK3 $\beta$  such as Alzheimer's disease, Parkinson's disease, frontoparietal dementia, corticobasal degeneration, Pick's disease, cerebrovascular accidents and brain and spinal trauma and peripheral neuropathies, were prepared and formulated. E.g., a 3-step synthesis of I [R1, R2 = H; R3 = 4-pyridyl; n, m = 1] which showed IC50 of 0.1  $\mu$ M against GSK3 $\beta$ , was given.

IT 361458-95-9P

RN

CN

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of 2-[(indanylamino]pyrimidones and 2-

[tetrahydronaphthalenylamino]pyrimidones as GSK3β inhibitors)

361458-95-9 CAPLUS

4(1H)-Pyrimidinone, 2-[(2,3-dihydro-1H-inden-2-yl)amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

REFERENCE COUNT:

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

3 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER:

2001:709742 CAPLUS

DOCUMENT NUMBER:

135:257258

TITLE:

Preparation of 2-(arylalkylamino)pyrimidones as

GSK3ß inhibitors

INVENTOR (S):

Almario-Garcia, Antonio; Frost, Jonathan Reid; Li,

Adrien-Tak; Ando, Ryoichi; Watanabe, Kazutoshi

PATENT ASSIGNEE(S):

Sanofi-Synthelabo, Fr.; Mitsubishi-Tokyo

Pharmaceuticals, Inc.

SOURCE:

Eur. Pat. Appl., 24 pp.

CODEN: EPXXDW

DOCUMENT TYPE:

Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 4

PATENT INFORMATION:

PATENT NO.			KIND DATE					A)	PPLI(	CATIO	o. 	DATE						
EP	EP 1136484			A:	1 .	2001	0926		E	P 200	00-40	00804	4	2000				
	R:	ΑT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,	
						FΙ,												
WO	WO 2001070727			A1 20010927					W	200	01-E	8	20010322					
	W:	ΑE,	AG,	AL,	AM,	ΑT,	AU,	ΑZ,	BA,	BB,	BG,	BR,	ΒY,	ΒZ,	CA,	CH,	CN,	
		CO,	CR,	CU,	CZ,	DΕ,	DK,	DM,	DZ,	EE,	ES,	FI,	GB,	GD,	GE,	GH,	GM,	
		HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	ΚP,	KR,	ΚZ,	LC,	LK,	LR,	LS,	
														NZ,				
		RU,	SD,	SE,	SG,	SI,	SK,	SL,	TJ,	TM,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	
						AM,												
	RW:													AT,	BE,	CH,	CY,	
														PT,				
														TD,				
PRIORITY	RIORITY APPLN. INFO							EP 2000-400804										
	· · · · · ·							EP 2000-400805					Α	2000	0323	323		
									EP 2	000-4	4008	06	Α	2000	0323			
									JP 2	000-	8193	8	Α	2000	0323			

OTHER SOURCE(S):

MARPAT 135:257258

GI

$$\mathbb{R}^3$$
 $\mathbb{R}^3$ 
 $\mathbb{R}^3$ 

The title compds. [I; R1 = unsubstituted naphth-1-yl, unsubstituted naphth-2-yl, substituted aryl; when n = 4-5 then R1 can represent unsubstituted Ph; R2 = H, alkyl; R3 = 2-, 3- or 4-pyridyl optionally substituted by alkyl, alkoxy group or a halogen atom] which are used for preventive and/or therapeutic treatment of a neurodegenerative disease caused by abnormal activity of GSK3β, were prepared and formulated. The compds. I were prepared by reacting the propionate R3COCH2COOR with the amidine R1(CH2)nNR2C(:NH)NH2 or by reacting the pyrimidinone II with amine R1(CH2)nNHR2. All exemplified compds. I such as I [R1 = 3,4-(MeO)2C6H3; R2 = H; R3 = 4-pyridyl; n = 1] showed IC50 of 0.01-10 μM against GSK3β.

IT 361542-10-1P 361542-11-2P 361542-12-3P 361542-13-4P 361542-14-5P 361542-15-6P 361542-16-7P 361542-17-8P 361542-18-9P 361542-19-0P 361542-20-3P 361542-21-4P 361542-22-5P 361542-23-6P 361542-24-7P 361542-25-8P 361542-26-9P 361542-27-0P 361542-28-1P 361542-29-2P 361542-30-5P 361542-31-6P 361542-32-7P 361542-33-8P 361542-34-9P 361542-35-0P 361542-36-1P 361542-37-2P 361542-41-8P 361542-42-9P 361542-43-0P 361542-44-1P 361542-45-2P

RN

CN

361542-46-3P 361542-47-4P 361542-48-5P 361542-49-6P 361542-50-9P 361542-51-0P 361542-52-1P 361542-53-2P 361542-54-3P 361542-55-4P 361542-56-5P 361542-57-6P 361542-58-7P 361542-59-8P 361542-60-1P 361542-61-2P 361542-62-3P 361542-63-4P 361542-64-5P 361542-65-6P 361542-66-7P 361542-67-8P 361542-68-9P 361542-69-0P 361542-70-3P 361542-71-4P 361542-72-5P 361542-73-6P 361542-74-7P 361542-75-8P 361542-76-9P 361542-77-0P 361542-78-1P 361542-79-2P 361542-80-5P 361542-81-6P 361542-82-7P 361542-83-8P 361542-84-9P 361542-85-0P 361542-86-1P 361542-87-2P 361542-88-3P 361542-89-4P RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of 2-(arylalkylamino)pyrimidones as GSK3β inhibitors) 361542-10-1 CAPLUS 4(1H)-Pyrimidinone, 2-[[(3,4-dimethoxyphenyl)methyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-11-2 CAPLUS
CN 4(1H)-Pyrimidinone, 2-[[2-(3,4-dimethoxyphenyl)ethyl]methylamino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

$$\begin{picture}(20,0) \put(0,0){\line(0,0){100}} \put(0,0){\line(0,0){100$$

RN 361542-12-3 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[2-(4-methoxyphenyl)ethyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-13-4 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[2-(3-methoxyphenyl)ethyl]amino]-6-(4-pyridinyl)-

(9CI) (CA INDEX NAME)

RN 361542-14-5 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[2-(2-methoxyphenyl)ethyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-15-6 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[2-(2-fluorophenyl)ethyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-16-7 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[2-(3-fluorophenyl)ethyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-17-8 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[2-(4-fluorophenyl)ethyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

$$\begin{array}{c|c}
 & O \\
 & N \\
 & NH-CH_2-CH_2
\end{array}$$

RN 361542-18-9 CAPLUS
CN 4(1H)-Pyrimidinone, 2-[[2-(4-bromophenyl)ethyl]amino]-6-(4-pyridinyl)(9CI) (CA INDEX NAME)

RN 361542-19-0 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[2-(2,4-dichlorophenyl)ethyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

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RN 361542-20-3 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[2-(2-chlorophenyl)ethyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-21-4 CAPLUS
CN 4(1H)-Pyrimidinone, 2-[[2-(4-chlorophenyl)ethyl]amino]-6-(4-pyridinyl)(9CI) (CA INDEX NAME)

RN 361542-22-5 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[2-(4-nitrophenyl)ethyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-23-6 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[2-(4-aminophenyl)ethyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

$$N = N + CH_2 - CH_2$$

$$N = N + CH_2 - CH_2$$

RN 361542-24-7 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[2-(3,4-dimethoxyphenyl)ethyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 361542-25-8 CAPLUS

CN 4 (1H) - Pyrimidinone, 2-[[2-(2,5-dimethoxyphenyl)ethyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} \text{OMe} \\ \\ \text{N} \\ \text{H} \end{array}$$

RN 361542-26-9 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[2-(4-hydroxyphenyl)ethyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-27-0 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[2-(4-methylphenyl)ethyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-28-1 CAPLUS
CN Benzenesulfonamide, 4-[2-[[1,4-dihydro-4-oxo-6-(4-pyridinyl)-2-pyrimidinyl]amino]ethyl]- (9CI) (CA INDEX NAME)

RN 361542-29-2 CAPLUS
CN 4(1H)-Pyrimidinone, 2-[[2-(3-chlorophenyl)ethyl]amino]-6-(4-pyridinyl)(9CI) (CA INDEX NAME)

CN

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RN 361542-30-5 CAPLUS

4(1H)-Pyrimidinone, 2-[(4-phenylbutyl)amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

361542-31-6 CAPLUS

4(1H)-Pyrimidinone, 2-[(2-[1,1'-biphenyl]-4-ylethyl)amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

361542-32-7 CAPLUS

4(1H)-Pyrimidinone, 2-[[2-(2-naphthalenyl)ethyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-33-8 CAPLUS

4(1H)-Pyrimidinone, 2-[[[3-(aminomethyl)phenyl]methyl]amino]-6-(4-pyridinyl)-, dihydrochloride (9CI) (CA INDEX NAME)

#### ●2 HC1

RN 361542-34-9 CAPLUS
CN 4(1H)-Pyrimidinone, 2-[[[4-(aminomethyl)phenyl]methyl]amino]-6-(4-pyridinyl)-, dihydrochloride (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} O \\ N \\ N \\ N \\ H \end{array} \qquad NH-CH_2 \\ \begin{array}{c} CH_2-NH_2 \\ \end{array}$$

## ●2 HCl

RN 361542-35-0 CAPLUS
CN 4(1H)-Pyrimidinone, 2-[[(3-methylphenyl)methyl]amino]-6-(4-pyridinyl)(9CI) (CA INDEX NAME)

RN 361542-36-1 CAPLUS
CN 4(1H)-Pyrimidinone, 2-[[(4-methoxyphenyl)methyl]amino]-6-(4-pyridinyl)(9CI) (CA INDEX NAME)

RN 361542-37-2 CAPLUS
CN 4(1H)-Pyrimidinone, 2-[[(4-fluorophenyl)methyl]amino]-6-(4-pyridinyl)(9CI) (CA INDEX NAME)

RN 361542-38-3 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[(2-chlorophenyl)methyl]amino]-6-(4-pyridinyl)(9CI) (CA INDEX NAME)

RN 361542-39-4 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[(4-chlorophenyl)methyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-40-7 CAPLUS

CN 4(1H)-Pyrimidinone, 6-(4-pyridinyl)-2-[[[4-(trifluoromethyl)phenyl]methyl] amino]- (9CI) (CA INDEX NAME)

RN 361542-41-8 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[[4-(3-aminopropoxy)phenyl]methyl]amino]-6-(4-pyridinyl)-, dihydrochloride (9CI) (CA INDEX NAME)

### •2 HCl

RN 361542-42-9 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[(3-nitrophenyl)methyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-43-0 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[(2-aminophenyl)methyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-44-1 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[(2-methylphenyl)methyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-45-2 CAPLUS
CN 4(1H)-Pyrimidinone, 2-[[(4-methylphenyl)methyl]amino]-6-(4-pyridinyl)(9CI) (CA INDEX NAME)

RN 361542-46-3 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[(2-methoxyphenyl)methyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-47-4 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[(3-methoxyphenyl)methyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-48-5 CAPLUS
CN 4(1H)-Pyrimidinone, 2-[[(3-chlorophenyl)methyl]amino]-6-(4-pyridinyl)(9CI) (CA INDEX NAME)

RN 361542-49-6 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[(4-aminophenyl)methyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN

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CN

CN

361542-50-9 CAPLUS

Acetamide, N-[[3-[[[1,4-dihydro-4-oxo-6-(4-pyridinyl)-2-pyrimidinyl]amino]methyl]phenyl]methyl]- (9CI) (CA INDEX NAME)

361542-51-0 CAPLUS

4(1H)-Pyrimidinone, 2-[[[3-(3-aminopropoxy)phenyl]methyl]amino]-6-(4-pyridinyl)-, dihydrochloride (9CI) (CA INDEX NAME)

# •2 HCl

RN 361542-52-1 CAPLUS

4(1H)-Pyrimidinone, 6-(4-pyridinyl)-2-[[[3-(2-pyridinylmethoxy)phenyl]methyl]amino]- (9CI) (CA INDEX NAME)

RN 361542-53-2 CAPLUS CN 4(1H)-Pyrimidinone,

4(1H)-Pyrimidinone, 6-(4-pyridinyl)-2-[[[3-[3-(3-pyridinyl)propoxy]phenyl]methyl]amino]-, dihydrochloride (9CI) (CA INDEX NAME)

### •2 HCl

RN 361542-54-3 CAPLUS
CN Carbamic acid, [[3-[[[1,4-dihydro-4-oxo-6-(4-pyridinyl)-2-pyrimidinyl]amino]methyl]phenyl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

RN 361542-55-4 CAPLUS
CN 4(1H)-Pyrimidinone, 2-[[(3-aminophenyl)methyl]amino]-6-(4-pyridinyl)(9CI) (CA INDEX NAME)

RN 361542-56-5 CAPLUS
CN Benzamide, N-[[3-[[[1,4-dihydro-4-oxo-6-(4-pyridinyl)-2-pyrimidinyl]amino]methyl]phenyl]methyl]- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} & & & & \\ & & & \\ N &$$

RN 361542-57-6 CAPLUS
CN 4(1H)-Pyrimidinone, 2-[[[4-(2-aminoethoxy)phenyl]methyl]amino]-6-(4-pyridinyl)-, dihydrochloride (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} & & & & \\ & & \\ & & & \\ & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\$$

●2 HCl

RN 361542-58-7 CAPLUS

CN Methanesulfonamide, N-[[3-[[[1,4-dihydro-4-oxo-6-(4-pyridinyl)-2-pyrimidinyl]amino]methyl]phenyl]methyl]- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} N & O & O \\ N & NH-CH_2 & O \\ NH-CH_2-NH-S-Me \\ O & O \\ O & O \\ \end{array}$$

RN 361542-59-8 CAPLUS

CN 4(1H)-Pyrimidinone, 6-(4-pyridinyl)-2-[[[3-[(2-pyrimidinylamino)methyl]phenyl]methyl]amino]- (9CI) (CA INDEX NAME)

RN 361542-60-1 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[[3-[(butylamino)methyl]phenyl]methyl]amino]-6-(4-pyridinyl)-, dihydrochloride (9CI) (CA INDEX NAME)

•2 HCl

RN 361542-61-2 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[[3-(2-aminoethoxy)phenyl]methyl]amino]-6-(4-pyridinyl)-, dihydrochloride (9CI) (CA INDEX NAME)

### ●2 HC1

RN 361542-62-3 CAPLUS
CN 4(1H)-Pyrimidinone, 2-[[[3-(4-aminobutoxy)phenyl]methyl]amino]-6-(4-pyridinyl)-, dihydrochloride (9CI) (CA INDEX NAME)

### •2 HCl

RN 361542-63-4 CAPLUS
CN 4(1H)-Pyrimidinone, 2-[[3-(2-methylphenyl)propyl]amino]-6-(4-pyridinyl)(9CI) (CA INDEX NAME)

RN 361542-64-5 CAPLUS
CN 4(1H)-Pyrimidinone, 2-[[3-(3-methylphenyl)propyl]amino]-6-(4-pyridinyl)(9CI) (CA INDEX NAME)

RN 361542-65-6 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[3-(4-methylphenyl)propyl]amino]-6-(4-pyridinyl)-

(9CI) (CA INDEX NAME)

RN 361542-66-7 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[3-(2-methoxyphenyl)propyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-67-8 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[3-(3-methoxyphenyl)propyl]amino]-6-(4-pyridinyl)(9CI) (CA INDEX NAME)

RN 361542-68-9 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[3-(4-methoxyphenyl)propyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-69-0 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[3-(2-chlorophenyl)propyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-70-3 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[3-(3-chlorophenyl)propyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 361542-71-4 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[3-(4-chlorophenyl)propyl]amino]-6-(4-pyridinyl)-(9CI) (CA-INDEX NAME)

RN 361542-72-5 CAPLUS
CN 4(1H)-Pyrimidinone, 6-(4-pyridinyl)-2-[[[3-[3-(4-pyridinyl)propoxy]phenyl]methyl]amino]- (9CI) (CA INDEX NAME)

RN 361542-73-6 CAPLUS
CN 4(1H)-Pyrimidinone, 6-(4-pyridinyl)-2-[[[3-(3-pyridinylmethoxy)phenyl]methyl]amino]- (9CI) (CA INDEX NAME)

RN

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CN

RN

CN

361542-74-7 CAPLUS

4(1H)-Pyrimidinone, 6-(4-pyridinyl)-2-[[[3-[2-(2-pyridinyl)ethoxy]phenyl]methyl]amino]-, dihydrochloride (9CI) (CA INDEX NAME)

$$\begin{array}{c|c}
 & \text{N} \\
 & \text{NH} - \text{CH}_2 \\
 & \text{N}
\end{array}$$

## ●2 HCl

361542-75-8 CAPLUS

Carbamic acid, [[3-[[[1,4-dihydro-4-oxo-6-(4-pyridinyl)-2-pyrimidinyl]methylamino]methyl]phenyl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

361542-76-9 CAPLUS

4(1H)-Pyrimidinone, 2-[[[3-(aminomethyl)phenyl]methyl]methylamino]-6-(4-pyridinyl)-, dihydrochloride (9CI) (CA INDEX NAME)

RN 361542-77-0 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[3-(3,4-dimethoxyphenyl)propyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} \text{OMe} \\ \text{N} \\ \text{N} \\ \text{H} \end{array} \text{OMe}$$

RN 361542-78-1 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[(3-[1,1'-biphenyl]-4-ylpropyl)amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 361542-79-2 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[[3-(aminomethyl)phenyl]methyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} & & & \\ & & & \\$$

RN 361542-80-5 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[[4-(aminomethyl)phenyl]methyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c}
 & CH_2 - NH_2 \\
 & N \\
 & NH - CH_2
\end{array}$$

RN 361542-81-6 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[[4-(3-aminopropoxy)phenyl]methyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} O \\ N \\ N \\ H \end{array}$$

$$\begin{array}{c|c} O - (CH_2)_3 - NH_2 \\ \end{array}$$

RN 361542-82-7 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[[3-(3-aminopropoxy)phenyl]methyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 361542-83-8 CAPLUS

CN 4(1H)-Pyrimidinone, 6-(4-pyridinyl)-2-[[[3-[3-(3-pyridinyl)propoxy]phenyl]methyl]amino]-(9CI) (CA INDEX NAME)

RN 361542-84-9 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[[4-(2-aminoethoxy)phenyl]methyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} O \\ N \\ N \\ H \end{array} \qquad NH-CH_2 \\ \begin{array}{c} O-CH_2-CH_2-NH_2 \\ \end{array}$$

RN 361542-85-0 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[[3-[(butylamino)methyl]phenyl]methyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 361542-86-1 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[[3-(2-aminoethoxy)phenyl]methyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} O \\ N \\ NH \\ CH_2 \\ \hline \\ O-CH_2-CH_2-NH_2 \\ \end{array}$$

RN 361542-87-2 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[[3-(4-aminobutoxy)phenyl]methyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 361542-88-3 CAPLUS

CN 4(1H)-Pyrimidinone, 6-(4-pyridinyl)-2-[[[3-[2-(2-pyridinyl)ethoxy]phenyl]methyl]amino]- (9CI) (CA INDEX NAME)

RN 361542-89-4 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[[3-(aminomethyl)phenyl]methyl]methylamino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c}
 & \text{Me} \\
 & \text{N} & \text{N} \\
 & \text{N} & \text{CH}_2 \\
 & \text{CH}_2 - \text{NH}_2
\end{array}$$

REFERENCE COUNT:

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 8 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER:

2001:709694 CAPLUS

DOCUMENT NUMBER:

135:262238

TITLE:

Preparation of 2-(indolylalkylamino)pyrimidone

derivatives as gsk3beta inhibitors

INVENTOR (S):

Almario-Garcia, Antonio; Frost, Jonathan Reid; Li,

Adrien-Tak

PATENT ASSIGNEE(S):

Sanofi-Synthelabo, Fr.; Mitsubishi-Tokyo

Pharmaceuticals, Inc.

SOURCE:

Eur. Pat. Appl., 14 pp.

CODEN: EPXXDW

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT: 4

PATENT INFORMATION:

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APPLICATION NO. DATE
                              KIND DATE
      PATENT NO.
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                                                          EP 2000-400805 20000323
      EP 1136099
                             A1 20010926
            R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
                  IE, SI, LT, LV, FI, RO
                             A1 20010927
                                                          WO 2001-EP3638 20010322
      WO 2001070727
            W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
                 CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM,
                 HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO,
                 RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
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                                                       EP 2000-400804 A 20000323
EP 2000-400805 A 20000323
EP 2000-400806 A 20000323
JP 2000-81938 A 20000323
PRIORITY APPLN. INFO.:
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OTHER SOURCE(S):

MARPAT 135:262238

GΙ

A pyrimidone derivative represented by formula I or a salt thereof: wherein: AB R1 represents a hydrogen atom or a C1-6 alkyl group; R2 represents a hydrogen atom or a C1-6 alkyl group; R3 represents a 2, 3 or 4-pyridyl group optionally substituted by a C1-4 alkyl group, a C1-4 alkoxy group or a halogen atom; R4 represents a hydrogen atom, a C1-6 alkyl group, a halogen atom, a C1-2 perhalogenated alkyl group, a C1-3 halogenated alkyl group, a hydroxyl group, a C1-6 alkoxy group, methylenedioxy group, a nitro, a cyano, an amino, a C1-6 monoalkylamino group, C2-12 dialkylamino group, a C1-6 alkylcarbonylamino group, C6-10 arylcarbonylamino group, a Ph group or a benzyloxy group; and n represents 1 to 5. And a medicament comprising the said derivative or a salt thereof as an active ingredient which is used for preventive and/or therapeutic treatment of a neurodegenerative disease caused by abnormal activity of GSK3\$\beta\$ (as glycogen synthase kinase 3β) such as Alzheimer's disease, Parkinson's disease, frontoparietal dementia, corticobasal degeneration, Pick's disease, cerebrovascular accidents, brain and spinal cord trauma and peripheral neuropathies. A solution of 2-(methylthio)-6-pyridinyl-4-ylpyrimidin-4(1H)one and different indolylalkylamines in amyl alc. were heated at 150° for 72 h to obtain 2-[indolylalkylamino]-6-pyridin-4ylpyrimidin-4(1H)-one derivs. Inhibitory activity of the above derivs. against gsk3β was tested. A tablet contained a 2-(indolylalkylamino)pyrimidone derivative 30, crystalline cellulose 60, corn starch 100, lactose 200, and magnesium stearate 4 mg. 362048-05-3P 362048-06-4P 362048-07-5P TT 362048-08-6P 362048-09-7P 362048-10-0P

362048-11-1P 362048-12-2P 362048-13-3P 362048-14-4P

Ι

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of indolylalkylaminopyrimidone derivs. as glycogen synthase kinase inhibitors)

362048-05-3 CAPLUS

4(1H)-Pyrimidinone, 2-[[2-(1H-indol-3-yl)ethyl]amino]-6-(4-pyridinyl)-, ethanedioate (9CI) (CA INDEX NAME)

CM 1

RN

CN

CRN 362048-04-2 CMF C19 H17 N5 O

$$\begin{array}{c|c} H \\ N \\ CH_2 - CH_2 - NH \\ N \\ O \\ \end{array}$$

CM 2

CRN 144-62-7 CMF C2 H2 O4

RN 362048-06-4 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[2-(5-methoxy-1H-indol-3-yl)ethyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} H \\ N \\ CH_2 - CH_2 - NH \\ N \\ O \\ \end{array}$$

RN 362048-07-5 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[2-(5-methyl-1H-indol-3-yl)ethyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} H \\ N \\ CH_2-CH_2-NH \\ N \\ O \\ \end{array}$$

RN 362048-08-6 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[2-[5-(phenylmethoxy)-1H-indol-3-yl]ethyl]amino]-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

$$\begin{array}{c|c} H \\ N \\ CH_2 - CH_2 - NH \\ N \\ O \\ \end{array}$$

RN 362048-09-7 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[2-(6-methoxy-1H-indol-3-yl)ethyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

MeO 
$$H$$
  $N$   $CH_2-CH_2-NH$   $H$   $N$   $N$ 

RN 362048-10-0 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[2-(6-fluoro-1H-indol-3-yl)ethyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} F & H \\ \hline N & \\ \hline CH_2 - CH_2 - NH \\ \hline N & \\ \hline N & \\ \hline \end{array}$$

RN 362048-11-1 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[2-(7-methyl-1H-indol-3-yl)ethyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 362048-12-2 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[2-(1H-indol-3-yl)ethyl]methylamino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

CN

$$\begin{array}{c|c} H & Me & H \\ \hline \\ CH_2 - CH_2 - N & N \\ \hline \\ O & \\ \end{array}$$

362048-13-3 CAPLUS RN

4(1H)-Pyrimidinone, 2-[[2-(2-methyl-1H-indol-3-yl)ethyl]amino]-6-(4pyridinyl) - (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} H & \text{Me} \\ \hline \\ CH_2 - CH_2 - NH \\ \hline \\ N \\ O \\ \end{array}$$

362048-14-4 CAPLUS RN

4(1H)-Pyrimidinone, 2-[[2-(1-methyl-1H-indol-3-yl)ethyl]amino]-6-(4-CNpyridinyl) - (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} Me \\ \hline \\ N \\ \hline \\ CH_2-CH_2-NH \\ \hline \\ N \\ \hline \\ O \\ \end{array}$$

REFERENCE COUNT:

THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS 6 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 9 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN T<sub>1</sub>3

ACCESSION NUMBER:

2000:531662 CAPLUS

DOCUMENT NUMBER:

133:120343

TITLE:

Preparation of arylpyrimidinones and analogs as drugs Spohr, Ulrike D.; Malone, Michael J.; Mantlo, Nathan

INVENTOR(S):

PATENT ASSIGNEE(S):

Amgen Inc., USA

SOURCE:

U.S., 92 pp., Cont.-in-part of U.S. Ser. No. 976,053,

abandoned.

CODEN: USXXAM

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.

KIND DATE

APPLICATION NO. DATE

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19971204
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                                                             19971204
                       Α2
    EP 1314731
                            20040102
                       Α3
    EP 1314731
           AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, LT, LV, FI, RO, MK, AL
                       A2
                            20030528
                                           EP 2002-27705
                                                             19971204
    EP 1314732
                            20040102
                       A3
    EP 1314732
         R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, AL
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                                                             19971205
                            19980605
    ZA 9710911
                       Α
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                                                             20000215
                       B1
                            20020716
    US 6420385
                                           US 2000-598740
                                                             20000621
                       В1
                            20020625
    US 6410729
    US 2003069425
                       A1
                            20030410
                                           US 2002-117552
                                                             20020403
    US 6610698
                       В2
                            20030826
                                           US 2002-128271
                                                             20020423
                       A1
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                       B2
                            20031118
    US 6649604
                                        US 1996-32128P
                                                         P
                                                            19961205
PRIORITY APPLN. INFO.:
                                        US 1997-50950P
                                                          Р
                                                             19970613
                                        US 1997-976053
                                                         B2 19971121
                                        US 1997-976054
                                                         A 19971121
                                        EP 1997-954778
                                                         A3 19971204
                                        US 1997-984774
                                                         B1 19971204
                                        US 1997-985346
                                                         A3 19971204
                                        US 2000-504509
                                                         A3 20000215
                                        US 2000-598740
                                                         A3 20000621
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OTHER SOURCE(S): GT

MARPAT 133:120343

Title compds. [e.g., I; Z = N or CR2; R1, R2 = R or Z1R; R = H, halo, AΒ alkoxy(carbonyl), amino(carbonyl or sulfonyl), etc.; R3 = Z1R; R4,R5 = (un) substituted (hetero) aryl; X = O, S, (un) substituted imino; Z1 = alkylene, heterocyclylene, (hetero)arylene, etc.] were prepared as agents for reduction of, e.g.,  $TNF-\alpha$  levels. Thus, 4-FC6H4CH2CO2Et was acylated by Et isonicotinate and the product cyclocondensed with (H2N)2CS to give, after N-methylation, I (R3 = Me, R4 = C6H4F-4, R5 = 4-pyridyl, X = 0)(II; R1 = SH) which was aminated by 2-FC6H4CH(NH2)CH2CH2NH2 to give II [R1 = NHCH2CH2CH(NH2)C6H4F-2]. Data for biol. activity of I were given. 208653-57-0P 208653-58-1P 208653-59-2P IT 208653-60-5P 208653-61-6P 208653-62-7P

208654-83-5P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of arylpyrimidinones and analogs as drugs)

RN 208653-57-0 CAPLUS

4(1H)-Pyrimidinone, 2-[[2-(2-chlorophenyl)ethyl]amino]-5-(4-fluorophenyl)-CN6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 208653-58-1 CAPLUS CN 4(1H)-Pyrimidinone, 5-(4-fluorophenyl)-2-[(3-phenylpropyl)amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 208653-59-2 CAPLUS CN 4(1H)-Pyrimidinone, 5-(4-fluorophenyl)-2-[(1-methyl-3-phenylpropyl)amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} F & O \\ \hline N & Me \\ \hline NH-CH-CH_2-CH_2-Ph \end{array}$$

RN 208653-60-5 CAPLUS
CN 4(1H)-Pyrimidinone, 5-(4-fluorophenyl)-2-[[3-(1H-imidazol-1-yl)propyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 208653-61-6 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[(2S)-2-amino-3-phenylpropyl]amino]-5-(4-

fluorophenyl)-6-(4-pyridinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

HCl

RN 208653-62-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 5-(4-fluorophenyl)-6-(4-pyridinyl)-, 2-hydrazone (9CI) (CA INDEX NAME)

RN 208654-83-5 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[(2S)-2-amino-3-phenylpropyl]amino]-5-(4-fluorophenyl)-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

REFERENCE COUNT:

THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 10 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER:

2000:227649 CAPLUS

DOCUMENT NUMBER:

132:265206

TITLE:

Preparation of pyrimidones for treating diseases

caused by tau protein kinase 1 hyperactivity such as

Alzheimer disease

INVENTOR(S):

Watanabe, Kazutoshi; Ando, Ryoichi; Saito, Ken-ichi;

Kawamoto, Rie; Shoda, Aya

PATENT ASSIGNEE(S):

Mitsubishi Chemical Corporation, Japan

PCT Int. Appl., 106 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

SOURCE:

English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE -----\_\_\_\_\_ \_\_\_\_\_ 19990924 20000406 WO 1999-JP5224 WO 2000018758 A1 W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG 20000406 CA 1999-2345065 19990924 CA 2345065 AΑ Α1 20000417 AU 1999-57599 19990924 AU 9957599 20010718 EP 1999-944815 19990924 EP 1115721 Α1 EP 1115721 Bl 20031210 AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO T2 20020813 JP 2000-572218 19990924 JP 2002525366 Е 20031215 AT 1999-944815 19990924 AT 256123 Mirant PRIORITY APPLN. INFO.: JP 1998-271277 Α 19980925

JP 1998-305266

WO 1999-JP5224

Α

W

19981027

19990924

OTHER SOURCE(S):

MARPAT 132:265206

GI

Ι

The title compds. [I; R1 = C1-18 alkyl, C3-18 alkenyl, C3-18 alkenyl, AΒ etc.; R2 = H, OH, C1-18 alkyl, etc.; R3 = (un)substituted pyridyl], useful for preventive and/or therapeutic treatment of a disease caused by tau protein kinase 1 hyperactivity such as Alzheimer disease, were prepared and formulated. Thus, reacting Et 3-(4-pyridyl)-3-oxopropionate with 3-amidinopyridine.HCl in the presence of K2CO3 in EtOH afforded I [R1 = 3-pyridyl; R2 = H; R3 = 4-pyridyl] which showed IC50 of 2.3  $\mu M$  against P-GS1 phosphorylation by bovine cerebral TPK1.

IT54950-12-8P 54950-14-0P 263244-09-3P 263244-10-6P 263244-16-2P 263244-25-3P 263244-26-4P 263244-27-5P 263244-30-0P 263244-31-1P 263244-32-2P 263244-34-4P 263244-35-5P 263244-36-6P 263244-37-7P CN

## 263244-38-8P 263244-39-9P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of pyrimidones for treating diseases caused by tau protein kinase 1 hyperactivity such as Alzheimer disease)

RN 54950-12-8 CAPLUS

4(1H)-Pyrimidinone, 2-amino-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

$$H_2N$$
 $N$ 
 $N$ 
 $N$ 

RN 54950-14-0 CAPLUS

CN 4(1H)-Pyrimidinone, 2-(dimethylamino)-6-(4-pyridinyl)- (9CI) (CA INDEX

$$\begin{array}{c|c} \text{Me}_2 N & \overset{H}{N} \\ N & & \\ N & & \\ O & & \\ \end{array}$$

RN 263244-09-3 CAPLUS

CN 4(1H)-Pyrimidinone, 2-amino-5-chloro-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 263244-10-6 CAPLUS

CN Benzamide, N-[1,4-dihydro-4-oxo-6-(4-pyridinyl)-2-pyrimidinyl]- (9CI) (CA INDEX NAME)

RN 263244-16-2 CAPLUS

CN 4(1H)-Pyrimidinone, 2-(diethylamino)-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 263244-25-3 CAPLUS

CN 4 (1H) - Pyrimidinone, 2 - [methyl (phenylmethyl) amino] -6 - (4 - pyridinyl) - (9CI) (CA INDEX NAME)

RN 263244-26-4 CAPLUS

CN 4 (1H) -Pyrimidinone, 2-[(phenylmethyl)amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 263244-27-5 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[(3,3-diphenylpropyl)amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 263244-30-0 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[methyl(2-methylpropyl)amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 263244-31-1 CAPLUS

CN 4(1H)-Pyrimidinone, 2-(dipropylamino)-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 263244-32-2 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[(3-hydroxypropyl)amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 263244-34-4 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[(cyclohexylmethyl)amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 263244-35-5 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[(4-ethylphenyl)amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 263244-36-6 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[(4-butoxyphenyl)amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 263244-37-7 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[(3-bromophenyl)amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 263244-38-8 CAPLUS

CN 4(1H)-Pyrimidinone, 2-(phenylamino)-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 263244-39-9 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[(3-methoxyphenyl)amino]-6-(4-pyridinyl)- (9CI) (CF INDEX NAME)

REFERENCE COUNT:

8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 11 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER:

1999:287423 CAPLUS

DOCUMENT NUMBER:

131:18977

TITLE:

Synthesis of pyrimidines and azolopyrimidines as

biodynamic agents

AUTHOR (S):

Upadhyay, D. N.; Ram, Vishnu J.

CORPORATE SOURCE:

Medicinal Chemistry Division, Central Drug Research

Institute, Lucknow, 226 001, India

SOURCE:

Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1999),

38B(2), 173-177

CODEN: IJSBDB; ISSN: 0376-4699

PUBLISHER:

National Institute of Science Communication, CSIR

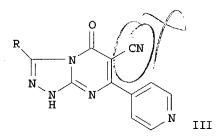
DOCUMENT TYPE:

Journal

LANGUAGE:

English

GΙ



AB 5-Cyano-6-(4-pyridyl)-2-thiouracil (I) has been synthesized and used as a precursor for the synthesis of mono- and bicyclic pyrimidine derivs., e.g., II and III, to evaluate their antifungal and antileishmanial activities.

IT 226092-80-4P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent) (pyrimidines and azolopyrimidines as biodynamic agents)

RN 226092-80-4 CAPLUS

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09/ 787,426
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CN 5-Pyrimidinecarbonitrile, 2-hydrazino-1,4-dihydro-4-oxo-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

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H<sub>2</sub>N-NH
N NH N
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REFERENCE COUNT:

9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

3 ANSWER 12 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER:

1998:394334 CAPLUS 129:67791

DOCUMENT NUMBER: TITLE:

Preparation of 2-substituted 5-(4-fluorophenyl)-4-(4-

pyridyl) pyrimidines and related compounds as drugs

INVENTOR(S):

Spohr, Ulrike D.; Malone, Michael J.; Mantlo, Nathan

в.

3

PATENT ASSIGNEE(S):

Amgen Inc., USA; Spohr, Ulrike D.; Malone, Michael J.;

Mantlo, Nathan B.

SOURCE:

PCT Int. Appl., 232 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

								APPLICATION NO.					DATE				
WO 0024702							WO 1997-US22390				1997	1204					
	9824								***	, 1).	, 0	0223	,	1001.	1201		
WO									R.C.	ВD	RV	CD	СН	CN,	CII	CZ.	DE.
	W .													KE,			
														MW,			
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	DW.													DK,		FТ	FR
	KW:													CG,			
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	7338								210	J 1.J.	,,,,	0120					
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шE														NL,		MC.	PT.
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	1314																
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EP	1314								E	200	02-2	7705		1997	1204		
EP	1314	732		A	3	2004	0102										
									GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,

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IE, SI, LT, LV, FI, RO, MK, AL
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                                                            19971205
                            19980605
     ZA 9710911
                      Α
                                                            19990603
                                           MX 1999-5168
    MX 9905168
                       Α
                            20000228
                                           US 2000-598740
                                                            20000621
                            20020625
    US 6410729
                       В1
                                           US 2002-117552
                                                            20020403
                            20030410
    US 2003069425
                       A1
                            20030826
                       B2
    US 6610698
                                        US 1996-32128P
                                                         P
                                                            19961205
PRIORITY APPLN. INFO .:
                                        US 1997-50950P
                                                         Ρ
                                                            19970613
                                                       Α
                                        US 1997-976054
                                                            19971121
                                                       A3 19971204
                                        EP 1997-954778
                                        US 1997-984774
                                                         B1 19971204
                                        WO 1997-US22390 W
                                                            19971204
                                                         A3 20000621
                                        US 2000-598740
OTHER SOURCE(S):
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GI

MARPAT 129:67791

Novel pyrimidines [I; R1, R2 = ZY, with a proviso; Z = bond, AΒ (un) substituted alk(en)yl, alkynyl, (un) substituted heterocyclyl, (un) substituted (hetero) aryl; etc; Y = H, halo, NO2, COR20, CNR5NR5R21, OR21, O2CR21, etc.; R5 = H, (un) substituted alk(en)yl, alkynyl, cycloalkyl, (hetero)aryl, etc.; R20 = (un)substituted alk(en)yl, alkynyl, aralkoxy, aralkylthio, aralkylsulfonyl, etc.; R21 = H, any of definitions for R20] and their pharmaceutically acceptable salts, effective for prophylaxis and treatment of diseases mediated by tumor necrosis factor  $\alpha$  (TNF- $\alpha$ ), IL-1 $\beta$ , IL-6 and/or IL-8 and other maladies, e.g., pain and diabetes, were prepared, e.g., by enamination of 2-(4-fluorophenyl)-1-(4-pyridinyl)ethanone (II) with (Me2N)2CHOMe and cyclocondensation of the resulting (dimethylamino)propenone with an amidine, guanidine or urea. I analogs, prodrugs, pharmaceutical compns., methods for prophylaxis and treatment of diseases or conditions involving inflammation, pain, diabetes, etc., and processes for making such compds. and their intermediates are also claimed. For example, heating a mixture of II with (Me2N)2CHOMe at 110° for 1.5 h under Ar gave 3-(dimethylamino)-2-(4-fluorophenyl)-1-(4-pyridyl)-3-propen-1-one which was cyclocondensed with 4-pyridylamidine (prepared in situ from pyridylamidine-HCl and Na) by refluxing in EtOH to give a title compound I (R1 = R12 = 4-pyridinyl, R2 = H, R11 = 4-FC6H4). The latter in mice inhibited lipopolysaccharide-induced TNF- $\alpha$  release with IC50 ≤20 µM. 208653-57-0P 208653-58-1P 208653-59-2P IT 208653-60-5P 208653-61-6P 208653-62-7P 208654-83-5P 208936-36-1P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of 2-substituted (fluorophenyl) (pyridyl) pyrimidines and related compds. as drugs)

208653-57-0 CAPLUS RN

CN

4(1H)-Pyrimidinone, 2-[[2-(2-chlorophenyl)ethyl]amino]-5-(4-fluorophenyl)-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 208653-58-1 CAPLUS
CN 4(1H)-Pyrimidinone, 5-(4-fluorophenyl)-2-[(3-phenylpropyl)amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 208653-59-2 CAPLUS CN 4(1H)-Pyrimidinone, 5-(4-fluorophenyl)-2-[(1-methyl-3-phenylpropyl)amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 208653-60-5 CAPLUS
CN 4(1H)-Pyrimidinone, 5-(4-fluorophenyl)-2-[[3-(1H-imidazol-1-yl)propyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 208653-61-6 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[(2S)-2-amino-3-phenylpropyl]amino]-5-(4-

fluorophenyl)-6-(4-pyridinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

● HCl

RN 208653-62-7 CAPLUS CN 2,4(1H,3H)-Pyrimidinedione, 5-(4-fluorophenyl)-6-(4-pyridinyl)-, 2-hydrazone (9CI) (CA INDEX NAME)

RN 208654-83-5 CAPLUS

4(1H)-Pyrimidinone, 2-[[(2S)-2-amino-3-phenylpropyl]amino]-5-(4-fluorophenyl)-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 208936-36-1 CAPLUS

CN 4(1H)-Pyrimidinone, 5-(4-fluorophenyl)-2-[methyl(2-phenylethyl)amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

ANSWER 13 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN L3

ACCESSION NUMBER:

1998:394333 CAPLUS

DOCUMENT NUMBER:

129:54384

TITLE: INVENTOR (S): Preparation of arylpyrimidinones and analogs as drugs Spohr, Ulrike D.; Malone, Michael J.; Mantlo, Nathan

B.; Zablocki, Jeff A.

PATENT ASSIGNEE(S):

Amgen Inc., USA; Spohr, Ulrike D.; Malone, Michael J.;

Mantlo, Nathan B.; Zablocki, Jeff A.

SOURCE:

PCT Int. Appl., 298 pp. CODEN: PIXXD2

DOCUMENT TYPE:

Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PA			APPLICATION NO. DATE
WO			WO 1997-US22949 19971204
	W: AL, AM,	AT, AU, AZ, BA,	BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
	DK, EE,	ES, FI, GB, GE,	GH, HU, ID, IL, IS, JP, KE, KG, KP, KR,
	KZ, LC,	LK, LR, LS, LT,	LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ,
	PL, PT,	RO, RU, SD, SE,	SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG,
	US, UZ,	VN, YU, ZW, AM,	AZ, BY, KG, KZ, MD, RU, TJ, TM
	RW: GH, KE,	LS, MW, SD, SZ,	UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR,
	GB, GR,	IE, IT, LU, MC,	NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA,
		MR, NE, SN, TD,	
			ZA 1997-10727 19971128
		A1 19980629	AU 1998-55254 19971204
	735901	B2 20010719	
EP	948496	A2 19991013	EP 1997-951678 19971204
	R: AT, BE,	CH, DE, DK, ES,	FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
	· ·	LT, LV, FI, RO	
			CN 1997-181558 19971204
			BR 1997-13863 19971204
NZ	335992	A 20010928	NZ 1997-335992 19971204
JP	2002514196	T2 20020514	NZ 1997-335992 19971204 JP 1998-525902 19971204 TW 1997-86118244 19971204 EP 2002-27704 19971204
TW	520362	B 20030211	TW 1997-86118244 19971204
EP	1314731	A2 20030528	EP 2002-27704 19971204
EΡ	1314/31	A3 20040102	
			FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
		LV, FI, RO, MK,	
			EP 2002-27705 19971204
EP	1314732		
			FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
77 N		LT, LV, FI, RO,	MK, AL
	9710911	A 19980605	
	9905158	A 20000331	MX 1999-5158 19990603
			US 2000-598740 20000621
			US 2002-117552 20020403
US	0010038	B2 20030826	

PRIORITY APPLN. INFO.:

US 1996-32128P P 19961205 US 1997-50950P 19970613 P US 1997-976053 A 19971121 A 19971121 US 1997-976054 EP 1997-954778 A3 19971204 B1 19971204 US 1997-984774 WO 1997-US22949 W 19971204 US 2000-598740 A3 20000621

OTHER SOURCE(S):

MARPAT 129:54384

GI

$$R^4$$
 $R^5$ 
 $Z$ 
 $R^1$ 

AB Title compds. [e.g., I; Z = N or CR2; R1,R2 = R or Z1R; R = H, halo, alkoxy(carbonyl), amino(carbonyl or sulfonyl), etc.; R3 = Z1R; R4,R5 = (un)substituted (hetero)aryl; X = O, S, (un)substituted imino; Z1 = alkylene, heterocyclylene, (hetero)arylene, etc.] were prepared as agents for reduction of, e.g., TNF- $\alpha$  levels. Thus, 4-FC6H4CH2CO2Et was acylated by Et isonicotinate and the product cyclocondensed with (H2N)2CS to give, after N-methylation, I (R3 = Me, R4 = C6H4F-4, R5 = 4-pyridyl, X = O)(II; R1 = SH) which was aminated by 2-FC6H4CH(NH2)CH2CH2NH2 to give II [R1 = NHCH2CH2CH(NH2)C6H4F-2]. Data for biol. activity of I were given.

IT 208653-57-0P 208653-58-1P 208653-59-2P 208653-60-5P 208653-61-6P 208653-62-7P 208654-83-5P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of arylpyrimidinones and analogs as drugs)

RN 208653-57-0 CAPLUS

CN 4(1H)-Pyrimidinone, 2-[[2-(2-chlorophenyl)ethyl]amino]-5-(4-fluorophenyl)-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)

RN 208653-58-1 CAPLUS

CN 4(1H)-Pyrimidinone, 5-(4-fluorophenyl)-2-[(3-phenylpropyl)amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 208653-59-2 CAPLUS
CN 4(1H)-Pyrimidinone, 5-(4-fluorophenyl)-2-[(1-methyl-3-phenylpropyl)amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

$$\begin{tabular}{c} \begin{tabular}{c} \begin{tabu$$

RN 208653-60-5 CAPLUS
CN 4(1H)-Pyrimidinone, 5-(4-fluorophenyl)-2-[[3-(1H-imidazol-1-yl)propyl]amino]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 208653-61-6 CAPLUS
CN 4(1H)-Pyrimidinone, 2-[[(2S)-2-amino-3-phenylpropyl]amino]-5-(4-fluorophenyl)-6-(4-pyridinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

HCl

RN 208653-62-7 CAPLUS CN 2,4(1H,3H)-Pyrimidinedione, 5-(4-fluorophenyl)-6-(4-pyridinyl)-, 2-hydrazone (9CI) (CA INDEX NAME)

RN 208654-83-5 CAPLUS CN 4(1H)-Pyrimidinone, 2-[[(2S)-2-amino-3-phenylpropyl]amino]-5-(4-fluorophenyl)-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L3 ANSWER 14 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1985:596051 CAPLUS

DOCUMENT NUMBER: 103:196051

AUTHOR (S):

TITLE: Pyrimidinones. 1. 2-Amino-5-halo-6-aryl-4(3H)-

pyrimidinones. Interferon-inducing antiviral agents Skulnick, Harvey I.; Weed, Sheldon D.; Eidson, Emerson

E.; Renis, Harold E.; Stringfellow, Dale A.; Wierenga,

Wendell

CORPORATE SOURCE: Cancer Virus Res., Upjohn Co., Kalamazoo, MI, 49001,

USA

SOURCE:

Journal of Medicinal Chemistry (1985), 28(12), 1864-9

CODEN: JMCMAR; ISSN: 0022-2623

DOCUMENT TYPE:

Journal

LANGUAGE:

English

OTHER SOURCE(S):

CASREACT 103:196051

GΙ

$$R^1$$

excluded

Title compds. I [R = Ph, halo-, alkoxy-, hydroxy-, nitro-, AΒ (trifluoromethyl)-, alkyl-, amino-, cyano-, carboxy-, or benzyloxyphenyl, naphthyl, furyl, pyridyl, pyrazinyl, quinolyl; R1 = Cl, Br, iodol (about 110 compds.), which were prepared, exhibited virucidal activity. I (R = Ph, R1 = H) was halogenated by N-chlorosuccinimide in HOAc to give I (R = Ph, R1 = C1).

IT 54950-12-8

RL: RCT (Reactant); RACT (Reactant or reagent)

(halogenation of)

54950-12-8 CAPLUS RN

4(1H)-Pyrimidinone, 2-amino-6-(4-pyridinyl)- (9CI) (CA INDEX NAME) CN

$$H_2N$$
 $N$ 
 $N$ 
 $N$ 

98305-54-5P 98305-55-6P IT

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation and virucidal activity of)

98305-54-5 CAPLUS RN

4(1H)-Pyrimidinone, 2-amino-5-bromo-6-(4-pyridinyl)- (9CI) (CA INDEX CN

98305-55-6 CAPLUS RN

4(1H)-Pyrimidinone, 2-amino-5-iodo-6-(4-pyridinyl)- (9CI) (CA INDEX NAME) CN

$$H_2N$$
 $N$ 
 $N$ 
 $N$ 
 $N$ 
 $N$ 

ANSWER 15 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1985:471335 CAPLUS DOCUMENT NUMBER: 103:71335

TITLE:

Triazolopyrimidine derivatives and their use as

cardiac stimulants

INVENTOR(S):

Barthelemy, Gerard; Hallot, Andre; Vallat, Jean Noel

SANOFI, Fr. PATENT ASSIGNEE(S):

SOURCE:

Fr. Demande, 13 pp.

CODEN: FRXXBL

DOCUMENT TYPE:

LANGUAGE:

Patent French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

F	PATENT NO.			DATE			LICATION NO.	DATE
	R 2549834			19850201			1983-12443	19830725
	R 2549834	•		19851018		<b>TT</b> .	1004 50220	10040506
	L 72330		A1	19870227			1984-72330	
,	JS 4581358		A	19860408			1984-628916	
	A 8405301		A	19850227			1984-5301	19840710
A	U 8430791		A1	19850131		AU :	1984-30791	19840718
A	U 562596		B2	19870611				
Е	K 8403605		A	19850126		DK :	1984-3605	19840723
E	S 534550		A1	19850501		ES :	1984-534550	19840723
C	S 248718		B2	19870212		CS :	1984-5626	19840723
N	O 8403003		A	19850128		NO :	1984-3003	19840724
E	P 136198		A1	19850403		EP :	1984-401551	19840724
E	P 136198		В1	19880210				
	R: AT	BE. C			TT. L	T. Til	U, NL, SE	
C	A 1226284		A1				1984-459573	19840724
A	T 32462		E	19880215			1984-401551	19840724
	'I 8402966		A				1984-2966	19840725
	P 60051190		A2	19850322			1984-155127	
	U 34753		0	19850429			1984-2861	19840725
	U 190653		В	19861028		110	1301 2001	13040723
	D 222593		A5	19850522		מם	1984-265646	19840725
	U 1347865		A3	19871023			1984-265646	
	TY APPLN.		H.J	190/1023				
PRIORI	II APPLN.	INFO.:					3-12443	
					EP	1984	4-401551	19840724

OTHER SOURCE(S): CASREACT 103:71335

GΙ

AB Triazolopyrimidinones I and II (R = alkyl; R1 = pyridyl, alkyl-, alkoxy-, hydroxy-, or cyanopyridyl; R2 = H, alkyl, unsatd. aliphatic group), which were prepared, showed cardiovascular activity. Hydrazinopyrimidinone III was heated with MeC(OEt)3 in BuOH to give I (R = Me, R1 = 3-pyridyl, R2 = H).

IT 97545-28-3

RL: RCT (Reactant); RACT (Reactant or reagent)
 (cyclocondensation of, with ortho esters)

RN 97545-28-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 6-(4-pyridinyl)-, 2-hydrazone (9CI) (CA INDEX NAME)

$$H_2N-N$$
 $H_N$ 
 $H_N$ 
 $N$ 

L3 ANSWER 16 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER:

1976:44112 CAPLUS

DOCUMENT NUMBER:

84:44112

TITLE: INVENTOR(S):

SOURCE:

4-Hydroxy-pyridylpyrimidine derivatives

Tani, Hidero; Nakamura, Koji; Mori, Yasuhiro; Yokoo,

Nobuo; Kyotani, Yoshinori; Wada, Yasushi

PATENT ASSIGNEE(S):

Kowa Co., Ltd., Japan Jpn. Tokkyo Koho, 3 pp.

DOCUMENT TYPE:

CODEN: JAXXAD Patent

LANGUAGE:

Japanese

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 49035631	B4	19740925	JP 1970-127611	19701228
PRIORITY APPLN. INFO.	:		JP 1970-127611	19701228

GI For diagram(s), see printed CA Issue.

AB Seven pyrimidinols (I, R = 2-, 3-, 4-pyridyl, R1 = H, Me, or R12N = morpholino), useful as antiinflammatory agents (no data), were prepared from



the corresponding pyridylcarbonylacetic acid ester and guanidine derivs. [R12NC(:NH)NH2]. E.g., 54.9 g nicotinoylacetic acid Me ester in 53 g EtOAc was refluxed with EtO Na (obtained from 11.5 g Na and 200 ml EtOH) for 10 hr and the reaction mixture was adjusted with H2SO4 to pH 7 to give 24.95 g nicotinoylacetic acid Et ester, which (18.1 g) was refluxed 5 hr with 12.6 q H2NC(:NH)NH2 carbonate in 60 ml EtOH to give I (R = 3-pyridyl, R1 = H).

IT54950-12-8P 54950-14-0P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of) RN 54950-12-8 CAPLUS

4(1H)-Pyrimidinone, 2-amino-6-(4-pyridinyl)- (9CI) (CA INDEX NAME) CN

RN54950-14-0 CAPLUS

4(1H)-Pyrimidinone, 2-(dimethylamino)-6-(4-pyridinyl)- (9CI) (CA INDEX CN

ANSWER 17 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER:

1975:410129 CAPLUS

DOCUMENT NUMBER:

83:10129

TITLE:

2-(Substituted)-4-hydroxy-6-pyridylpyrimidine

derivatives

INVENTOR(S):

Tani, Hidero; Nakamura, Koji; Mori, Yasuhiro; Yokoo,

Nobuo; Kyotani, Yoshinori; Wada, Yasushi

PATENT ASSIGNEE(S):

Mori, Hiroshi

SOURCE:

Jpn. Tokkyo Koho, 3 pp.

CODEN: JAXXAD

DOCUMENT TYPE:

Patent

LANGUAGE:

Japanese

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 49035634	B4	19740925	JP 1970-128203	19701230
PRIORITY APPLN. INFO.	:		JP 1970-128203	19701230
GT 7 11 ( )				

GΙ For diagram(s), see printed CA Issue. AB Seven 2-amino-6-pyridyl-4-pyrimidinols (I, R = H2, Me, or R2N =

morpholino; R1 = 2-, 3-, or 4-pyridyl), useful as antiinflammatory agents, were prepared from the 2-(methylthio) derivs. and the appropriate amines. E.g., 3.0 g 2-(methylthio)-6-(4-pyridyl)-4-pyrimidinol, obtained from reaction of H2NC(:S)NH2 with Et isonicotinoylacetate and subsequent

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09/ 787,426
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methylation, was treated with 260 mg Me2NH in BuOH at 150° for 2 hr to give 76.5% I (R = Me, R1 = 4-pyridyl).

IT 54950-12-8P 54950-14-0P

RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)

RN 54950-12-8 CAPLUS

4(1H)-Pyrimidinone, 2-amino-6-(4-pyridinyl)- (9CI) (CA INDEX NAME) CN

RN54950-14-0 CAPLUS

4(1H)-Pyrimidinone, 2-(dimethylamino)-6-(4-pyridinyl)- (9CI) (CA INDEX CN

L3 ANSWER 18 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER:

1975:410127 CAPLUS 83:10127

DOCUMENT NUMBER: TITLE:

5-Nitro-6-pyridylprimidine derivatives

INVENTOR (S):

Tani, Hidero; Nakamura, Koji; Yokoo, Nobuo; Kyotani,

Yoshinori; Akaishi, Keisuke

PATENT ASSIGNEE(S):

SOURCE:

Mori, Hiroshi Jpn. Tokkyo Koho, 3 pp.

CODEN: JAXXAD

DOCUMENT TYPE:

Patent

LANGUAGE:

Japanese

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND	DATE		APPLICATION NO.	DATE
JP 49035633	B4	19740925		JP 1970-128199	19701230
PRIORITY APPLN. INFO.	:	•	JΡ	1970-128199	19701230
GI For diagram(g)	cee nr	inted CA Teem	_		

GΙ For diagram(s), see printed CA Issue.

Three 5-nitro-2-amino-4-(4-pyridyl)pyrimidines (R = H, Me; R1 = OH, NH2), AΒ useful as antiinflammatory agents, were prepared by nitration of the corresponding II. Thus, 15 g II (R = Me, R1 = NH2) was treated with a mixture of 10 ml fuming HNO3 and 50 ml H2SO4 for 1 hr and the mixture was treated with 28% NH3-H2O to give 8.08 g I (R = Me, R1 = NH2).

IT 54950-14-0

> RL: RCT (Reactant); RACT (Reactant or reagent) (nitration of)

RN 54950-14-0 CAPLUS

CN4(1H)-Pyrimidinone, 2-(dimethylamino)-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

$$\stackrel{\text{Me}_2N}{\underset{N}{\bigvee}}\stackrel{H}{\underset{N}{\bigvee}}$$

IT 55361-89-2P

> RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)

RN55361-89-2 CAPLUS

CN 4(1H)-Pyrimidinone, 2-(dimethylamino)-5-nitro-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} \text{Me}_2 \text{N} & \overset{H}{\text{N}} \\ \text{N} & \text{NO}_2 \end{array}$$

ANSWER 19 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER:

1975:171028 CAPLUS

DOCUMENT NUMBER:

82:171028

TITLE: INVENTOR(S): 2,4,5-Trisubstituted-6-pyridylpyrimidine derivatives Tani, Hideo; Nakamura, Koji; Yokoo, Nobuo; Kyoya,

APPLICATION NO. DATE

-----

Yoshinori; Akashi, Keisuke

PATENT ASSIGNEE(S):

Mori, Hiroshi

SOURCE:

Jpn. Tokkyo Koho, 3 pp.

CODEN: JAXXAD

DOCUMENT TYPE:

LANGUAGE:

IT

Patent

KIND DATE

Japanese

FAMILY ACC. NUM. COUNT:

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PATENT INFORMATION:

PATENT NO.

	JP 49036719	B4 1:	9741002	JP 1970-128201	19701230
PRIC	RITY APPLN. INFO.	:	JI	1970-128201	19701230
GI	For diagram(s), s				
AB	Pyridylpyrimidino	ols [I, 1	R = 1-piperio	linylmethyl (II), r	morpholinomethyl],
	useful as antiins	lammato:	ry agents (no	data), were prepa	ared by reacting I (R
	= H) with RH and	formali	n. E.g., 650	mg I (R = H) was	refluxed with 0.036
	ml HOAc, 306 mg p	piperidi	ne, 0.375 ml	formalin and 6 ml	EtOH for 45 min,
	the mixture allow	ved to st	tand for 2.5	hr, 0.1 ml formal:	in added, and the

mixture again refluxed for 1.5 hr to give 44 mg II. II·HCl was also

prepared 55362-49-7P 55362-50-0P 55362-51-1P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of) RN55362-49-7 CAPLUS

CN 4(1H)-Pyrimidinone, 2-(dimethylamino)-5-(1-piperidinylmethyl)-6-(4pyridinyl) - (9CI) (CA INDEX NAME)



$$\begin{array}{c|c} & & & \\ & & & \\ Me_2N & & N \\ & & & \\ N & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & \\ & & & \\ & &$$

RN 55362-50-0 CAPLUS

CN 4(1H)-Pyrimidinone, 2-(dimethylamino)-5-(1-piperidinylmethyl)-6-(4-pyridinyl)-, hydrochloride (9CI) (CA INDEX NAME)

## •x HCl

RN 55362-51-1 CAPLUS

CN 4(1H)-Pyrimidinone, 2-(dimethylamino)-5-(4-morpholinylmethyl)-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

$$Me_2N$$
 $N$ 
 $CH_2$ 
 $N$ 
 $O$ 

IT 54950-14-0

RL: RCT (Reactant); RACT (Reactant or reagent) (reaction with amines and formaldehyde)

RN 54950-14-0 CAPLUS

CN 4(1H)-Pyrimidinone, 2-(dimethylamino)-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} \text{Me}_2 N & \overset{H}{N} \\ & N \\ & & \\$$

ANSWER 20 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER:

1975:140173 CAPLUS

DOCUMENT NUMBER:

82:140173

TITLE:

2,4,6-Trisubstituted pyrimidines

INVENTOR(S):

Tani, Hideo; Nakamura, Koji; Mori, Shizuhiro; Yokoo,

Nobuo; Kyotani, Yoshitoku; Wada, Yasushi

PATENT ASSIGNEE(S):

Kowa Co., Ltd.

SOURCE:

AB

IT

RN

Jpn. Tokkyo Koho, 12 pp.

CODEN: JAXXAD

DOCUMENT TYPE:

Patent

LANGUAGE:

Japanese

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

APPLICATION NO. DATE PATENT NO. KIND DATE \_\_\_\_\_\_ - <del>-</del> -\_ \_ \_ \_ \_ \_ \_ -----JP 1970-127609 19740530 19701228 JP 49021148 **B4** 19701228 JP 1970-127609 PRIORITY APPLN. INFO.:

For diagram(s), see printed CA Issue.

Sixty-three antiinflammatory (no data) pyrimidines (R = 4-pyridyl, Ph, etc., R1 = NH2, NMe2, NEt2, morpholino, NHPr, piperidino, OMe, etc., R2 = NMe2, OCH2CH2NMe2, NEt2, morpholino, NHCH2CH:CH2, NHCH2CH2OH, etc.) were prepared by reacting I (R1 = SO2Me or Cl) with the appropriate amine or alc. E.g., I (R = NH2, R1 = SO2Me, R2 = 4-pyridyl) (0.016 mole) was refluxed 1 hr with 30 ml MeOH containing 0.03 mole Na to give 80% I (R = NH2, R1 = OMe, R2 = 4-pyridyl).

54993-99-6P 54994-00-2P 54994-01-3P 54994-02-4P 54994-03-5P 54994-04-6P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of)

54993-99-6 CAPLUS

2-Pyrimidinamine, 4-methoxy-6-(4-pyridinyl)- (9CI) (CA INDEX NAME) CN

54994-00-2 CAPLUS RN

2-Pyrimidinamine, 4-ethoxy-6-(4-pyridinyl)- (9CI) (CA INDEX NAME) CN

54994-01-3 CAPLUS RN

2-Pyrimidinamine, 4-butoxy-6-(4-pyridinyl)- (9CI) (CA INDEX NAME) CN

RN 54994-02-4 CAPLUS

CN 2-Pyrimidinamine, 4-(phenylmethoxy)-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 54994-03-5 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(dimethylamino)ethoxy]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 54994-04-6 CAPLUS

CN 2-Pyrimidinamine, 4-[3-(diethylamino)propoxy]-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

=> d his

(FILE 'HOME' ENTERED AT 14:14:26 ON 27 MAY 2004)

FILE 'REGISTRY' ENTERED AT 14:14:35 ON 27 MAY 2004

L1 STRUCTURE UPLOADED

L2 161 S L1 FUL

FILE 'CAPLUS' ENTERED AT 14:15:03 ON 27 MAY 2004 L3 20 S L2

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